

05-345243

# PERMIT

## SEWAGE DISPOSAL SYSTEM

### DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P \_\_\_\_\_

A 43616

DISTRICT \_\_\_\_\_

DATE \_\_\_\_\_

DATE SYSTEM APPROVED \_\_\_\_\_

INSPECTOR \_\_\_\_\_

**HOWARD COUNTY HEALTH DEPARTMENT**  
**BUREAU OF ENVIRONMENTAL HEALTH**

461-9933

**INDEXED**

\_\_\_\_\_ IS PERMITTED TO INSTALL \_\_\_\_\_ ALTER \_\_\_\_\_

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

SUBDIVISION \_\_\_\_\_ LOT \_\_\_\_\_ ROAD 6397 Haviland Mill Rd

PROPERTY OWNER \_\_\_\_\_

ADDRESS \_\_\_\_\_

PLANS APPROVED BY \_\_\_\_\_ DATE \_\_\_\_\_

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

43616



6/9/00  
WPI  
Anytime

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

A43616

APPLICATION FOR PITLESS ADAPTER, WELL PUMP AND PRESSURE TANK INSTALLATION

New Installation \_\_\_\_\_ Receipt # \_\_\_\_\_  
Replacement \_\_\_\_\_ Date \_\_\_\_\_

Name of Installer \_\_\_\_\_ Telephone \_\_\_\_\_

License Number \_\_\_\_\_  
Certified Well Pump Installer \_\_\_\_\_ Well Driller \_\_\_\_\_ Registered Plumber \_\_\_\_\_

Name of Property Owner \_\_\_\_\_ Telephone \_\_\_\_\_

Subdivision \_\_\_\_\_ Lot # \_\_\_\_\_ Well Tag # \_\_\_\_\_

Site Address 6397 HAVILAND MILL

Pump	Motor	Pitless Adapter
1. Type	1. Horsepower _____	1. Make _____
a. Deep well jet _____	2. RPM _____	2. Model # _____
b. Shallow well jet _____	3. Voltage _____	3. Depth _____
c. Submersible _____	a. 110 _____	
2. Make _____	b. 220 _____	
3. Model # _____		
4. Capacity _____ 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 _____	1. Type _____	1. Depth _____ ft.
2. Pressure relief valve? _____	2. Size _____	2. Yield _____ GPM
	3. NSF and/or BOCA Code approved _____	3. Static water level _____ ft.
	4. Depth of supply line _____	4. Will water supply be disinfected by installer? _____

6/9/00 HO-94-2450 Arrived 3:30 - covered. Casing height and cap O.K.  
Line has T, one source house, one pond. **BB**

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: \_\_\_\_\_

Date: \_\_\_\_\_

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

CT 1988 SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND  
WELL COMPLETION REPORT  
FILL IN THIS FORM COMPLETELY  
PLEASE TYPE

THIS REPORT MUST BE SUBMITTED AFTER WELL IS COMPLETED.  
COUNTY NUMBER W 43616

ST/CO USE ONLY  
DATE Received  
MM 4 12 00  
8 13

DATE WELL COMPLETED  
MM 3/23/00  
15 20

Depth of Well  
22 600 26  
(TO NEAREST FOOT)

PERMIT NO.  
FROM "PERMIT TO DRILL WELL"  
HO-94-2450  
28 29 30 31 32 33 34 35 36 37

OWNER Cain Margena  
STREET OR RFD: 6397 Haviland Mill Rd TOWN Highland  
SUBDIVISION SECTION LOT Map 34 P. 310

WELL LOG  
Not required for driven wells

STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPT, THICKNESS AND IF WATER BEARING.

DESCRIPTION (Use additional sheets if needed)	FEET		check if water bearing
	FROM	TO	
Top Soil	0	3	
SAND silt	3	17	
Sand shale	17	60	
SAND clay	60	140	
Blue Sandstone	140	160	
Light Gray Sandst	160	210	
Brown, white, Gray Sandstone	210	310	
White Sandstone mica	310	400	✓
White, tan Light Blue Sandstone mica	400	600	✓

GROUTING RECORD  
WELL HAS BEEN GROUTED (Circle Appropriate Box)  Y  N  
TYPE OF GROUTING MATERIAL (Circle one)  
CEMENT  CM BENTONITE CLAY  BC  
NO. OF BAGS 57 NO. OF POUNDS 5700  
GALLONS OF WATER 342  
DEPTH OF GROUT SEAL (to nearest foot)  
from 0 ft. to 110 ft.  
(enter 0 if from surface)

CASING RECORD  
casing types insert appropriate code below  
 ST STEEL  CO CONCRETE  
 PL PLASTIC  OT OTHER  
MAIN CASING TYPE ST Nominal diameter top (main) casing (nearest inch)! 6 Total depth of main casing (nearest foot) 159  
60 61 63 64 66 70

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

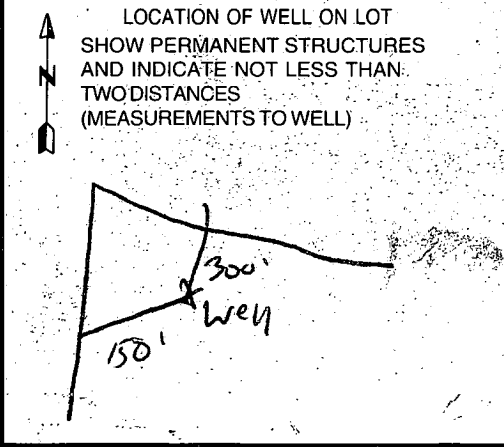
SCREEN RECORD  
screen type or open hole insert appropriate code below  
 ST STEEL  BR BRASS  HO OPEN HOLE  
 PL PLASTIC  OT OTHER

DEPTH (nearest ft.)  
1 HO 2 157 3 600  
E 8 9 11 15 17 21  
A C H 23 24 26 30 32 36  
S C 3 38 39 41 45 47 51  
R E E S L O T S I Z E 1 2 3  
N DIAMETER OF SCREEN (NEAREST INCH)  
56 60  
from to

GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68  
MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER)  
T (E.R.O.S.) W Q  
70 72 74 75 76  
TELESCOPE CASING LOG INDICATOR OTHER DATA

C 3  
PUMPING TEST  
HOURS PUMPED (nearest hour) 3  
PUMPING RATE (gal. per min.) 8.9  
METHOD USED TO MEASURE PUMPING RATE Bucket  
WATER LEVEL (distance from land surface)  
BEFORE PUMPING: 50 ft.  
WHEN PUMPING: 600 ft.  
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 INSTALLED PUMP (CIRCLE) (YES OR NO) YES  NO   
IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS.  
TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX 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 2 (nearest foot)  
 - below



NUMBER OF UNSUCCESSFUL WELLS: 0  
WELL HYDROFRACTURED:  Y  N  
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 26.04.04 "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 LIC. NO. MWD 040  
George F. Easton  
DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)  
LIC. NO. AND 622  
SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

B 1 16331

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND PERMIT TO DRILL WELL please print or type

STATE PERMIT NUMBER

HO-94-2450 fill in this form completely

Date Received (APA) 07 01 99

OWNER INFORMATION

RN 7904

B 3

Howard

LOCATION OF WELL

CC#

Cain Marcena 6397 Haviland Mill Rd Clarksville, Md 21029

8 COUNTY 21 43616 23 SUBDIVISION 42 SECTION 44 46 LOT 48 50 Highland 52 NEAREST TOWN 71 MILES FROM TOWN (enter 0 if in town) 2 73 76 77 78

DRILLER INFORMATION

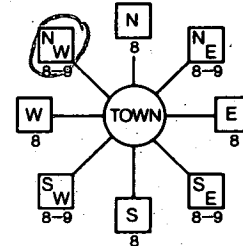
George F. Easterday

M W B 040

L. Franklin Easterday, Inc. 9265 Brown Church Rd., MT. Airv. Md. 21771 6/25/1999

B 4

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



6397 Haviland Mill Rd ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) 300 34 37 38 39 TAX MAP: 34 BLK: 14 PARCEL 310

WELL INFORMATION APPROX. PUMPING RATE (GAL. PER MIN.) 5 8 12 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 500 14 20

USE FOR WATER (CIRCLE APPROPRIATE BOX)

- DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION
FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)
INDUSTRIAL, COMMERCIAL, DEWATERING
PUBLIC WATER SUPPLY WELL
TEST, OBSERVATION, MONITORING
GEO-THERMAL

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

Howard W 43616 COUNTY NAME COUNTY NO. STATE SIGNATURE DATE ISSUED 09 24 99 Mark E. Kilkin 9/24/00

APPROXIMATE DEPTH OF WELL 300 FEET APPROXIMATE DIAMETER OF WELL 6 INCH NEAREST TOWN

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X SOURCES OF DRILLING WATER wells

METHOD OF DRILLING (circle one)

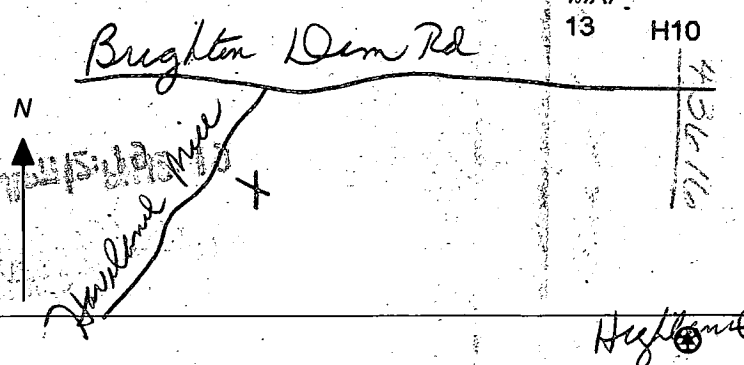
BORED (or Augered) JETTED Jetted & DRIVEN AIR-ROTARY AIR-PERCussion ROTARY (Hydraulic Rotary) CABLE REVerse-ROTary DRive-POINT

WRITE THE BOX NUMBER FROM THE MAP HERE E 803 N 496

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-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS
THIS WELL WILL DEEPEMED AN EXISTING WELL

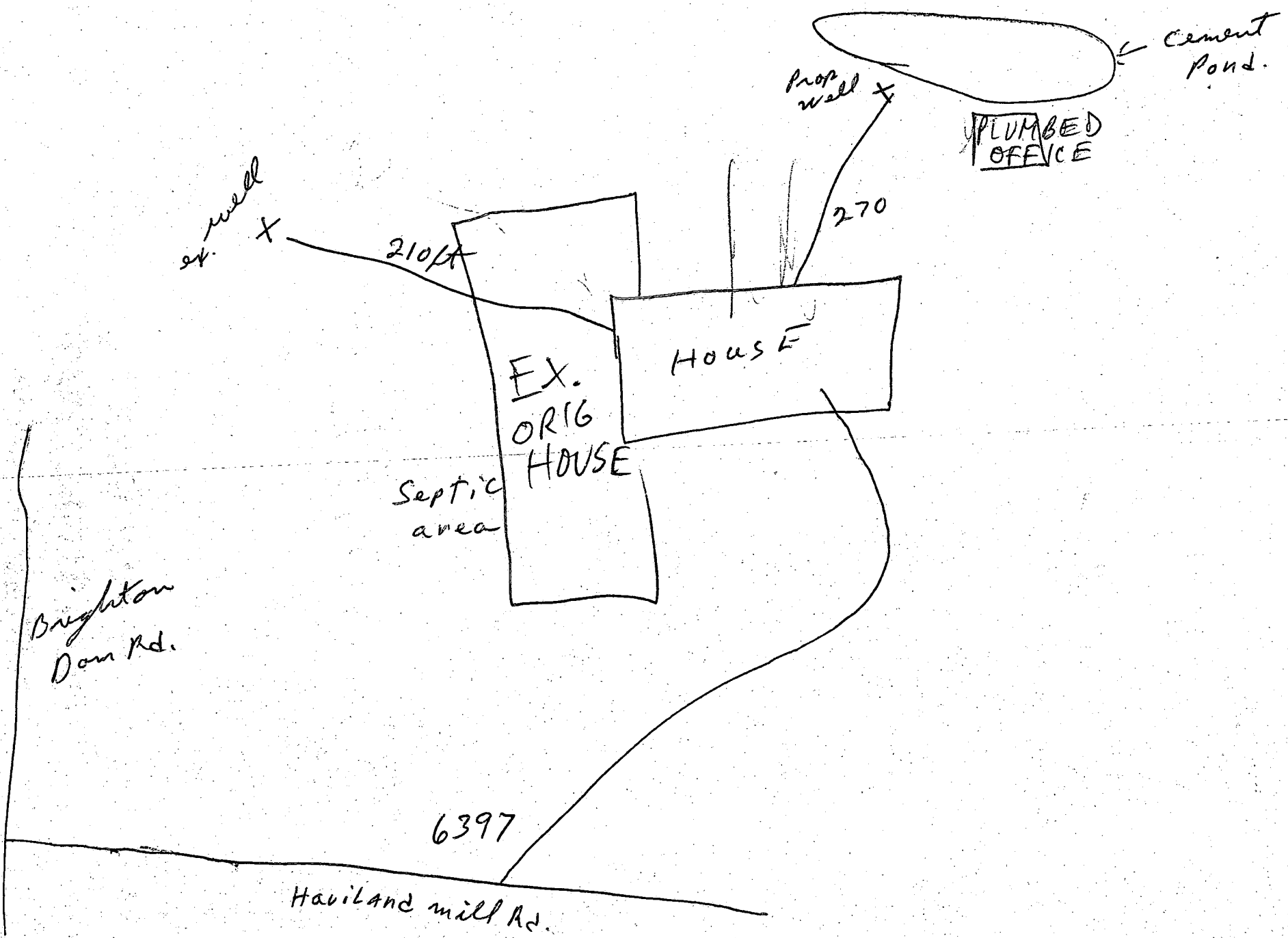
DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION



Not to be filled in by driller (MDE OR COUNTY USE ONLY)

APPROX. PERMIT NUMBER 54 PERMIT No. HO-94-2450

SPECIAL CONDITIONS NOTE - APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED -



ex. well  
x

210ft

EX.  
ORIG  
HOUSE

Septic  
area

HOUSE

Prop  
well  
x

270

PLUMBED  
OFFICE

Cement  
Pond.

Brighton  
Don Rd.

6397

Haviland mill Rd.

B 1 7893

SEQUENCE NO. (DP USE ONLY)

STATE OF MARYLAND PERMIT TO DRILL WELL

STATE PERMIT NUMBER

HO-88-0398

INDEXED

please print or type

fill in this form completely

Date Received (APA) 11/07/88 OWNER INFORMATION CALM KENNETH B 6397 HAVILAND MILL RD CLARKSVILLE MD 21029

LOCATION OF WELL HOWARD COUNTY 21 HIGHLAND 52 NEAREST TOWN 2 MILES FROM TOWN

DRILLER INFORMATION George F. Easterday L. Franklin Easterday, Inc. 9265 Brown Church Rd., Mt. Airy, Md. 21771

DIRECTION OF WELL FROM TOWN (CIRCLE BOX) NEAR WHAT ROAD 6397 HAVILAND MILL DISTANCE FROM ROAD 1000 FT

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

USE FOR WATER (CIRCLE APPROPRIATE BOX) F FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL COUNTY NAME HOWARD COUNTY NO. 13-12116 DATE ISSUED 7/29/89

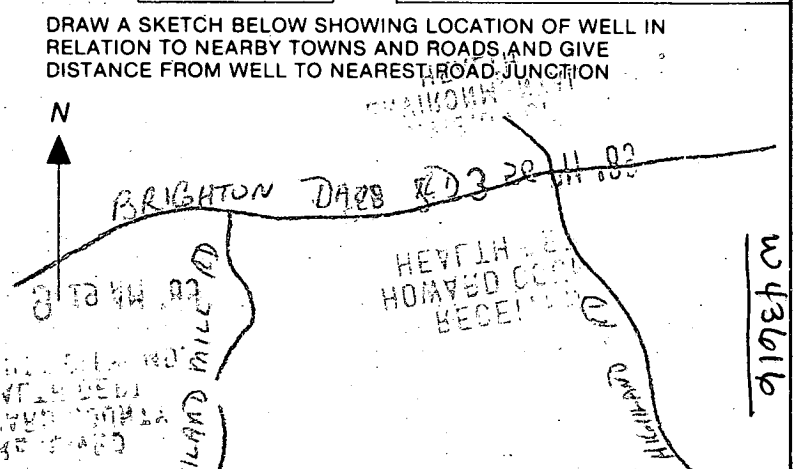
APPROXIMATE DEPTH OF WELL 200 FEET

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

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

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 DEEPM AN EXISTING WELL



Not to be filled in by driller (OEP USE ONLY) APPROP. PERMIT NUMBER GAP FORCE CW PERMIT NO. HO-88-0398

SPECIAL CONDITIONS 531-5412 COUNTY 210189

C1 6643

SEQUENCE NO. (DENV USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

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

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

COUNTY NUMBER 134366

DATE RECEIVED

DATE WELL COMPLETED 031689

DEPTH OF WELL 400 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" H0-83-0398

OWNER CAIN KENNETH R. STREET OR RFD 6399 HARTLAND HILL TOWN HIGHLAND

WELL LOG Not required for driven wells STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING

Table with columns: DESCRIPTION, FEET FROM, FEET TO, Check if water bearing. Rows include Topsoil, Br. mica, Quartz, Gray mica, Tan mica, Flint, etc.

GROUTING RECORD WELL HAS BEEN GROUTED (Y) TYPE OF GROUTING MATERIAL CEMENT (CM) BENTONITE/CLAY (BC) NO. OF BAGS 51 NO. OF POUNDS 5100

CASING RECORD MAIN CASING TYPE (ST) Nominal diameter (1) Total depth (100) OTHER CASING (if used)

SCREEN RECORD screen type or open hole (ST) (BR) (HO) (PL) (OT) DEPTH (nearest ft.)

DEPTH (nearest ft.) 400 100 400 SLOT SIZE 1 2 3 DIAMETER OF SCREEN (NEAREST INCH)

PUMPING TEST HOURS PUMPED (nearest hour) 3 PUMPING RATE (gal. per min. to nearest gal.) 10 METHOD USED TO MEASURE PUMPING RATE Bucket

PUMP INSTALLED DRILLER WILL INSTALL PUMP YES (NO) TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX - SEE ABOVE: CAPACITY: GALLONS PER MINUTE (to nearest gallon)

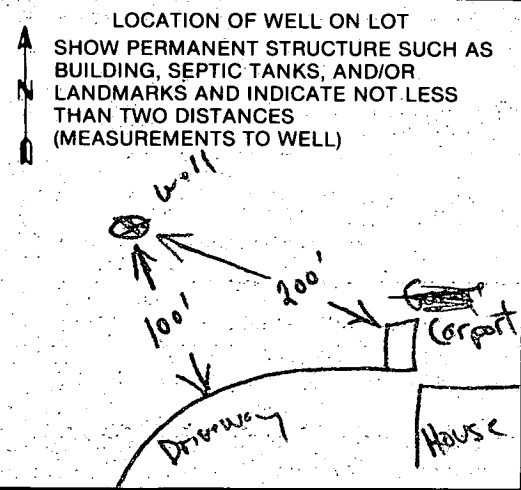
CIRCLE APPROPRIATE LETTER A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED

I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 10.17.13 "WELL CONSTRUCTION"

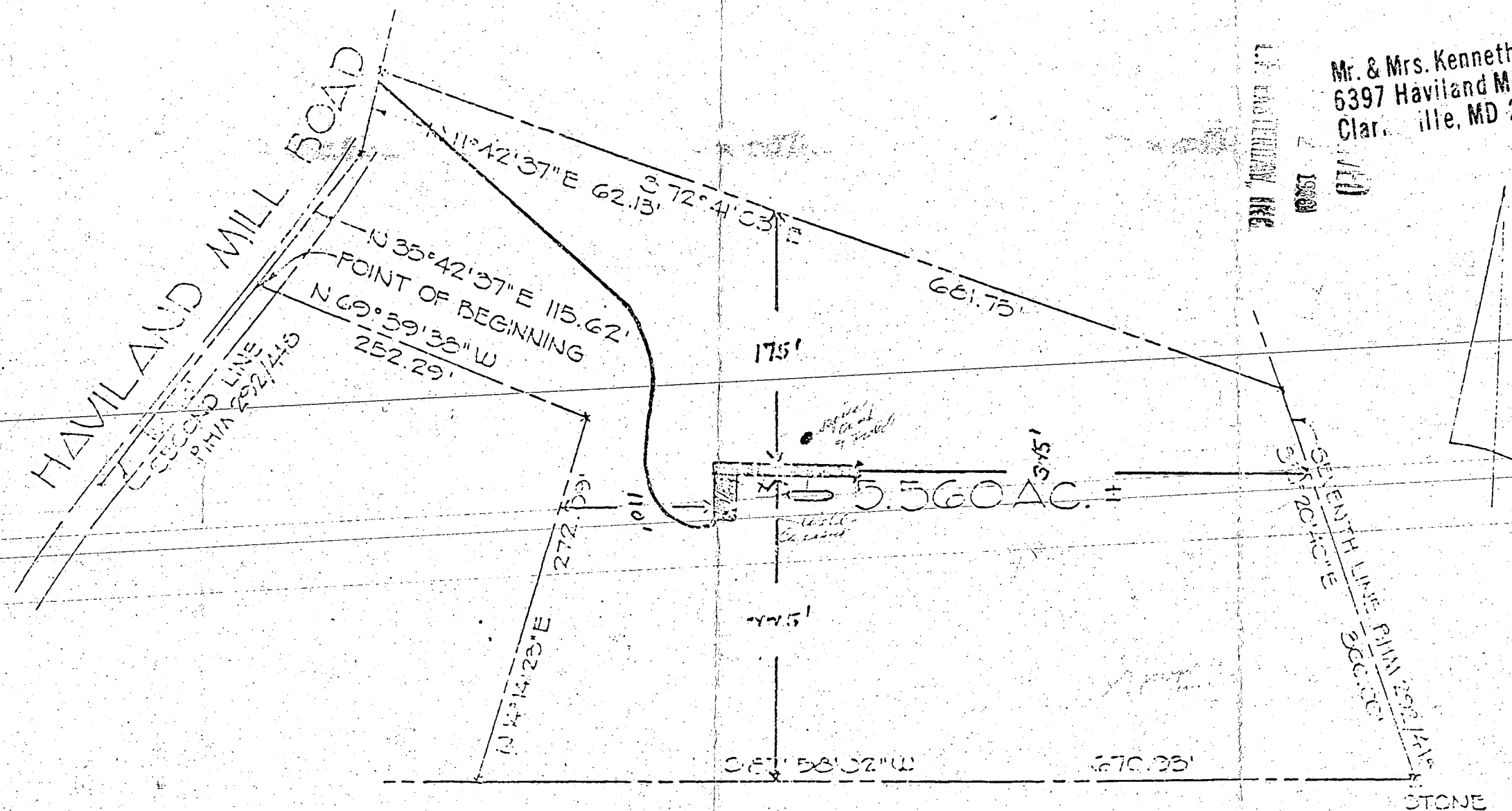
DRILLERS IDENT. NO. 40 DRILLERS SIGNATURE SITE SUPERVISOR (sign of driller or journeyman responsible for sitework if different from permittee)

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 LOG INDICATOR OTHER DATA







Mr. & Mrs. Kenneth B. Cain  
 6397 Haviland Mill Rd.  
 Clar. ville, MD 21029  
 531-5412

L. J. HALLINAN, INC.  
 1907  
 11/10

PURDUM WUESCHKE  
 ENGINEER  
 LAND SURVEYOR  
 6097 PARK LANE  
 BELLEFONTAINE, MD.

*House location verified  
 6/9/73  
 Henry E. Greene*

PROPERTY TO BE CONVEYED BY  
**HENRY E. GREENE & WIFE**

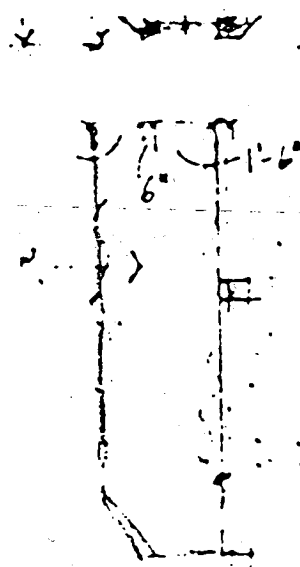
3<sup>RD</sup> ELEC. DISTRICT HO. CO., MD.  
 JUNE 7, 1973 SCALE: 1"=100'

11-1-88

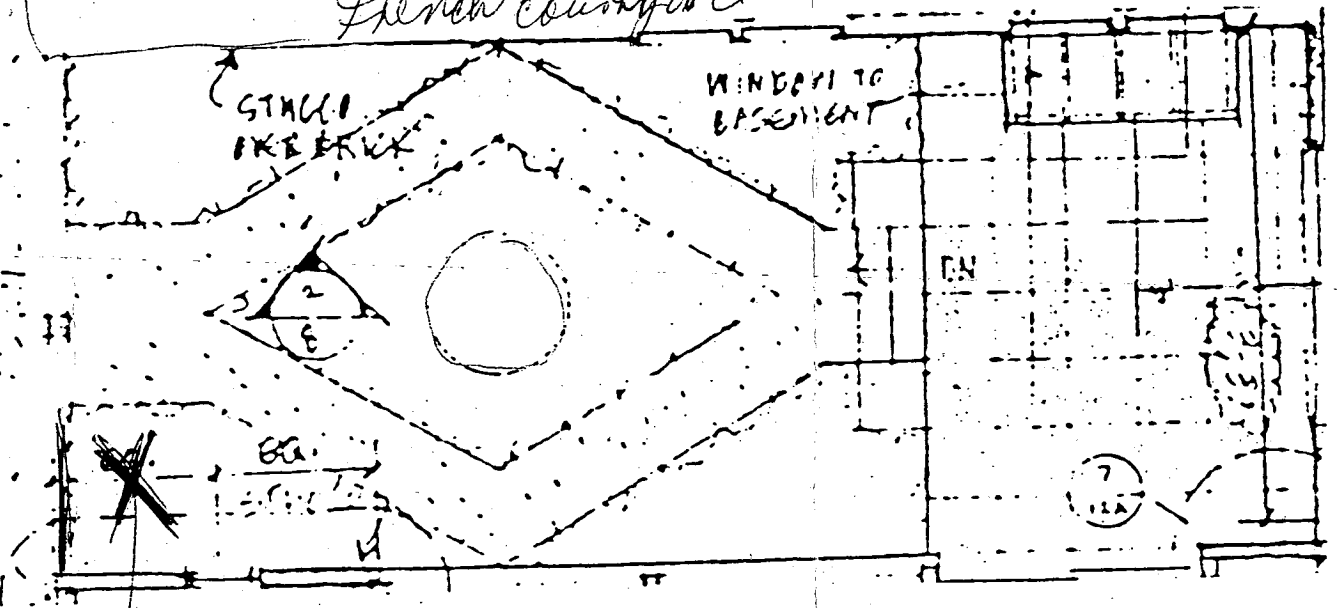
RECEIVED  
NOV 2 1988  
J.F. BASTENBERG

Mr. & Mrs. Kenneth B. Cain  
6397 Haviland Mill Rd.  
Clarksville, MD 21029  
531-5412

*House*  
*French courtyard*



*Garage*



*Well*

*Swimming Pool*

Mr. & Mrs. Kenneth B. Cain  
6397 Haviland Mill Rd.  
Clarksville, MD 21029

5315912

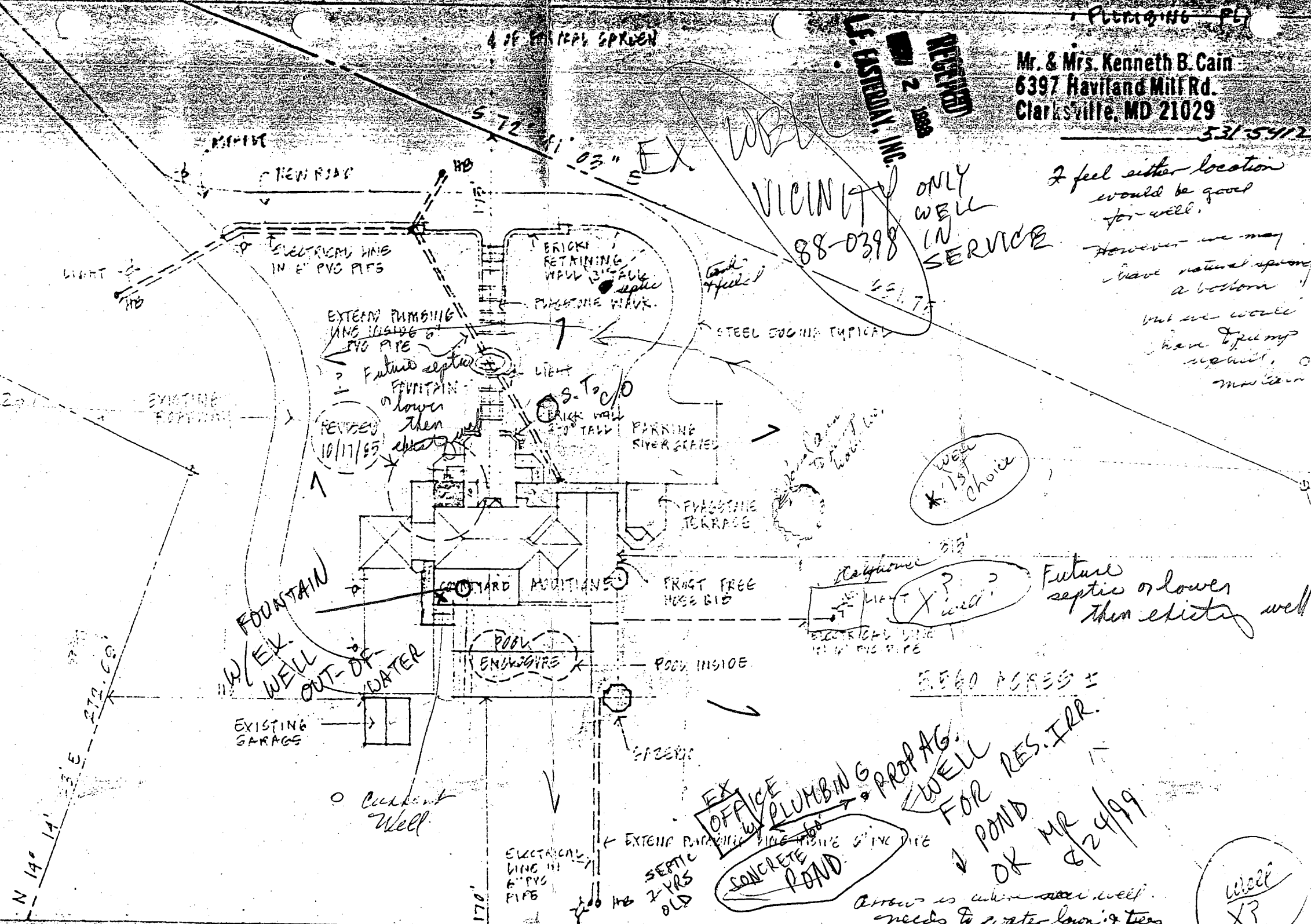
REQUIRED  
L. ESTERDA, INC.  
2 1/2

I feel either location  
would be good  
for well.

However we may  
have natural spring  
at bottom  
but we would  
have to pump  
up it.

ONLY  
WELL  
IN  
SERVICE

VICINITY  
88-0398



WELL  
1st  
CHOICE

Future  
septic or lower  
than existing well

EX OFFICE  
PLUMBING PROP AG.  
WELL FOR RES. IRR.  
POND OK MR  
8/24/99

WELL  
X?

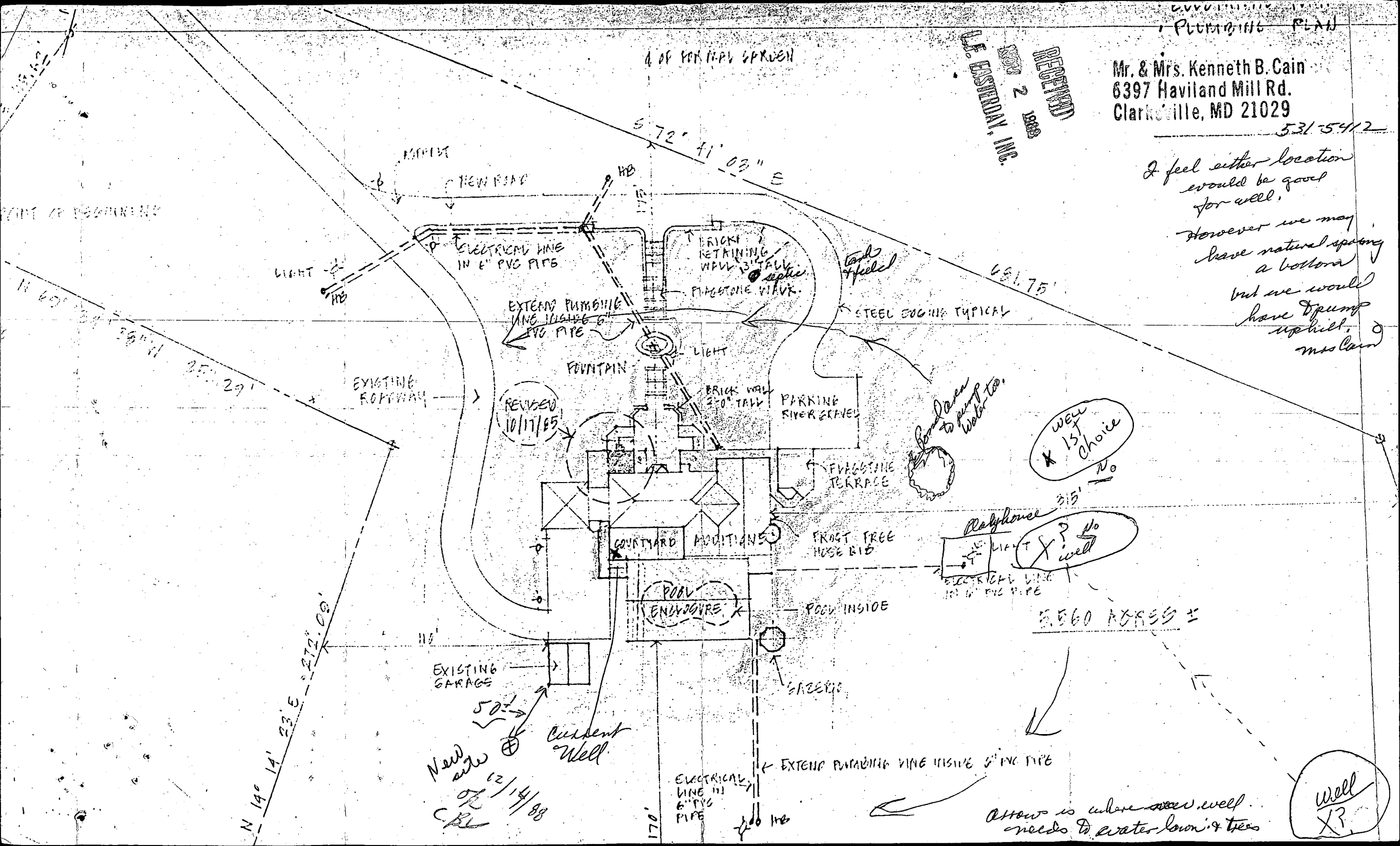
Arrow is where well  
needs to water lawn & trees

Mr. & Mrs. Kenneth B. Cain  
6397 Haviland Mill Rd.  
Clarksville, MD 21029

RECEIVED  
NOV 2 1988  
L.F. ESTERMAN, INC.

531-5412

I feel either location  
would be good  
for well.  
However we may  
have natural spring  
a bottom  
but we would  
have to pump  
uphill.  
Mrs Cain



REVISED 10/17/85

WELL  
\* 1st Choice

Reliance  
WELL  
? No well

5560 ACRES ±

New well  
12/14/88  
CPL  
Current Well

Arrow is where new well  
needs to water lawn & trees

WELL  
X?