

B 1	16366	SEQUENCE NO. (MDE USE ONLY)	STATE OF MARYLAND PERMIT TO DRILL WELL please print or type	STATE PERMIT NUMBER HO-94-2441 <small>70 fill in this form completely 79</small>
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OWNER INFORMATION **7937**

Date Received (APA) **07 27 99**
8 MM DD YY 13

Malcolm Van
15 Last Name Owner First Name 34

2001 Briggs Chaney Rd
36 Street or RFD 55

Silver Spring, Md 20904
57 Town 70 State 72 Zip 76

B 3 LOCATION OF WELL **CC#**

Howard
8 COUNTY 21

Malcolm Property
23 SUBDIVISION 42

SECTION **44** 46 LOT **8** 48 50

Fulton
52 NEAREST TOWN 71

MILES FROM TOWN (enter 0 if in town) **1** M I J
73 76 77 78

DRILLER INFORMATION

George F. Easterday **MW D 040**
Driller's Name 76 License No. 81

L. Franklin Easterday, Inc.
Firm Name

9265 Brown Church Rd., MT. Airy, Md. 21771
Address

George F. Easterday **7/22/1999**
Signature Date

B 4

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)

Queen Street
11 NEAR WHAT ROAD 30

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)

34 400 37
DISTANCE FROM ROAD Ft. ENTER FT OR MI 38 39

TAX MAP: **41** BLK: **13** PARCEL **63**

B 2 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)

D DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION

F FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)

I INDUSTRIAL, COMMERCIAL, DEWATERING

P PUBLIC WATER SUPPLY WELL

T TEST, OBSERVATION, MONITORING

G GEO-THERMAL

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

Howard **A47963**
COUNTY NAME COUNTY NO.

STATE SIGNATURE _____ INSERT S →

DATE ISSUED **09 17 99** **Mark E. Ripstein** **9/16/00**
43 MM DD YY 48 CO SIGNATURE EXP. DATE

NORTH GRID **484** 0 0 0 EAST GRID **0820** 0 0 0
50 55 57 63

APPROXIMATE DEPTH OF WELL **300** FEET
24 28

APPROXIMATE DIAMETER OF WELL **6** NEAREST INCH

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X → **10/28/99**

SOURCES OF DRILLING WATER

- wells**
- Thirteen empty cement bags. BB**
-

WRITE THE BOX NUMBER FROM THE MAP HERE

E 876 20 **000 000**

N 480 4

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)

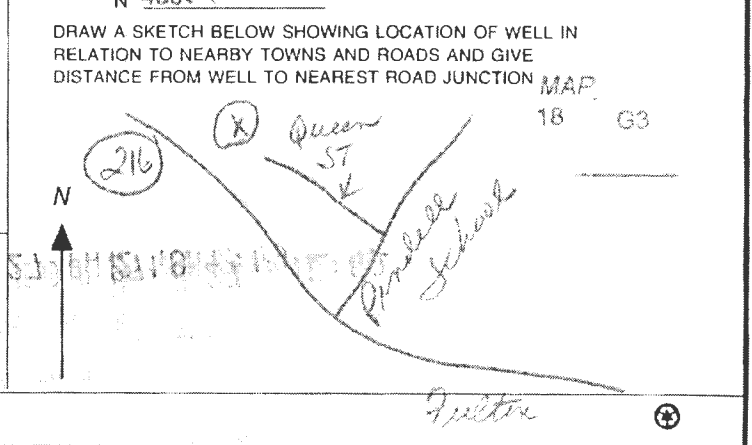
N THIS WELL WILL NOT REPLACE AN EXISTING WELL

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-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS

D THIS WELL WILL DEEPEM AN EXISTING WELL

PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41 _____ 52



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

APPROX. PERMIT NUMBER **54** **GAP** **63**

PERMIT No. **HO-94-2441**
70 71 72 73 74 75 76 77 78 79

SPECIAL CONDITIONS

NOTE: APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED

Use _____ of _____

10-26-99

Review OK MR 12/8/99

FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 94-2441
 Location of property (road) Queen St
 Subdivision MALCOLM PROPERTY Lot 8 Block _____ Plat _____ Sec. _____
 Well Identifier Easterday Owner Malcolm, Van
 Depth of well 400 106 P.M.
 Distance of measuring point (M.P.) above ground 2'
 Static water level (S.W.L.) below M.P. 13'

I. High rate pumping -- reservoir drawdown
 Time pump started 8:45 Pumping rate 15 G.P.M.
 Total time _____ to reach pumping water level _____ ft. below M.P.

II. Recovery pump test data - observations to be recorded every 15 minutes. Pump 380'

TIME (in 15 minute intervals)	WATER LEVEL below M.P.	PUMPING RATE time to fill _____ gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
<u>8:45</u>	<u>13'</u>	<u>4 sec</u>		<u>15 G.P.M.</u>
<u>9:00</u>	<u>64'</u>	<u>4 sec</u>		<u>15 G.P.M.</u>
<u>9:15</u>	<u>90'</u>	<u>4 sec</u>		<u>15 G.P.M.</u>
<u>9:30</u>	<u>112'</u>	<u>5 sec</u>		<u>12 G.P.M.</u>
<u>9:45</u>	<u>133'</u>	<u>5 sec</u>		<u>12 G.P.M.</u>
<u>10:00</u>	<u>150'</u>	<u>5 sec</u>		<u>12 G.P.M.</u>
<u>10:15</u>	<u>166'</u>	<u>5 sec</u>		<u>12 G.P.M.</u>
<u>10:30</u>	<u>166'</u>	<u>6 sec</u>		<u>10 G.P.M.</u>
<u>10:45</u>	<u>166'</u>	<u>6 sec</u>		<u>10 G.P.M.</u>
<u>11:00</u>	<u>166'</u>	<u>6 sec</u>		<u>10 G.P.M.</u>
<u>11:15</u>	<u>166'</u>	<u>6 sec</u>		<u>10 G.P.M.</u>
<u>11:30</u>	<u>166'</u>	<u>6 sec</u>		<u>10 G.P.M.</u>
<u>11:45</u>	<u>166'</u>	<u>6 sec</u>		<u>10 G.P.M.</u>

1st Faxed on 8-13-01 - 3:40 P.M.
 2nd Faxed on 9-24-01 - 4:59 P.M.

ATT: Steve

HOWARD COUNTY HEALTH DEPARTMENT
 BUREAU OF ENVIRONMENTAL HEALTH
 WATER AND SEWERAGE PROGRAM
 TEL: (410)313-2640 FAX: (410)313-2648

Information Form for the Installation of the Well Pump, Pitless Adapter, and Supply Piping

NOTE: The installer is responsible for requesting an inspection prior to 9 am on the day of the desired inspection. No work is to be covered until approved by the Health Department. All installations must comply with the National Standard Plumbing Code (NSPC, as amended locally) and COMAR 16.04.04 (MD Well Construction Regulations). Submission of a complete form is required prior to Use and Occupancy approval.

Company Name: CLARKE P+H Inc Telephone #: 410-489-4029
 Address: 3510 Ridge Rd
Westminster, MD 21157

(Must circle one) Licensed Plumber Licensed Well Driller Licensed Well Pump Installer

License # and name of individual responsible for the field installation:
 Name (Print): Ben Clarke License# 3808

*A licensed individual must perform the actual installation. Apprentices must be under the direct supervision of a licensed journeyman or master plumber, pump installer or well driller. Licenses may be subjected to field verification.

Name of Property Owner: Hamilton Reed Telephone #: 410-480-9146
 Subdivision: Malcom Property Lot #: 8 Well Tag #: HO-94-2441
 Site Address: 11954 Quaran St

<u>Submersible Pump Data</u>	<u>Pitless Adapter</u>	<u>Well Cap and Electric Conduit</u>
Make: <u>Boulas</u>	Make: <u>Harvard</u>	Two piece watertight cap: <input checked="" type="checkbox"/>
Model #: <u>55A10432</u>	Model#: <u>P-T-800</u>	Screened, vented well cap: <input type="checkbox"/>
Pump Capacity <u>5</u> GPM	Depth: <u>42</u> (36" min)	Cap secured to casing: <input type="checkbox"/>
Well Yield: <u>10</u> GPM	NSF approved: <input type="checkbox"/>	Conduit min 18" B.G.: <input checked="" type="checkbox"/>
Depth of well encountered at time of pump installation: _____ (feet)		Conduit secured to well cap: <input checked="" type="checkbox"/>

If pump capacity exceeds well yield, a low water cut off switch is required by NSPC 1990 Section 17.8.4
 Torque arrestors or Cable guards are required - Must circle one
 Safety rope, if used, attached to inside of well casing with eye bolt

<u>Pipes to house</u>	<u>House Connection</u>
Type: <u>Plastic</u>	PVC sleeved to undisturbed soil at wall penetration: <input checked="" type="checkbox"/>
PSI: <u>1/2" (160 psi min)</u>	Approximate length of sleeve: <u>15'</u>
Depth of supply line: <u>42'</u> (36" min)	Sleeve caulked and sealed properly: <input checked="" type="checkbox"/>

The water supply line is required to be at least ten feet from the septic tank, pump chamber, sewage piping, distribution box, drainfields, and sewage reserve area. If this cannot be accomplished, contact this office for approval prior to installation.

Signature of company representative responsible for installation: Ben Clarke date: 8-13-01

For Health Department Use Only - Not to be completed by Installer

Date Insp. Requested: 7/20/01 Date Insp. Approved: 9/20/01 BB SRK
 Inspection Data: Pitless adapter and water supply line at least 36" below grade
 Two piece cap installed and attached to casing securely
 Elec. conduit extends at least 18" below grade/attached to cap properly
 Safety rope installed inside of well casing
 Correct well tag attached properly and casing 8" above finished grade
 Water supply line sleeved adequately at house connection
 Adequate grout observed below pitless adapter

EMENTS

100 YEAR FLOODPLAIN
DRAINAGE & UTILITY EASEMENT
(Perpetual Easement granted
to Howard County, MD)

F.J. BOARMAN
Liber 190 - Folio 30
Zoned: RR-DEO

Vernon and Myrtle
Brown
Liber 14 - Folio 41
Zoned: RR-DEO

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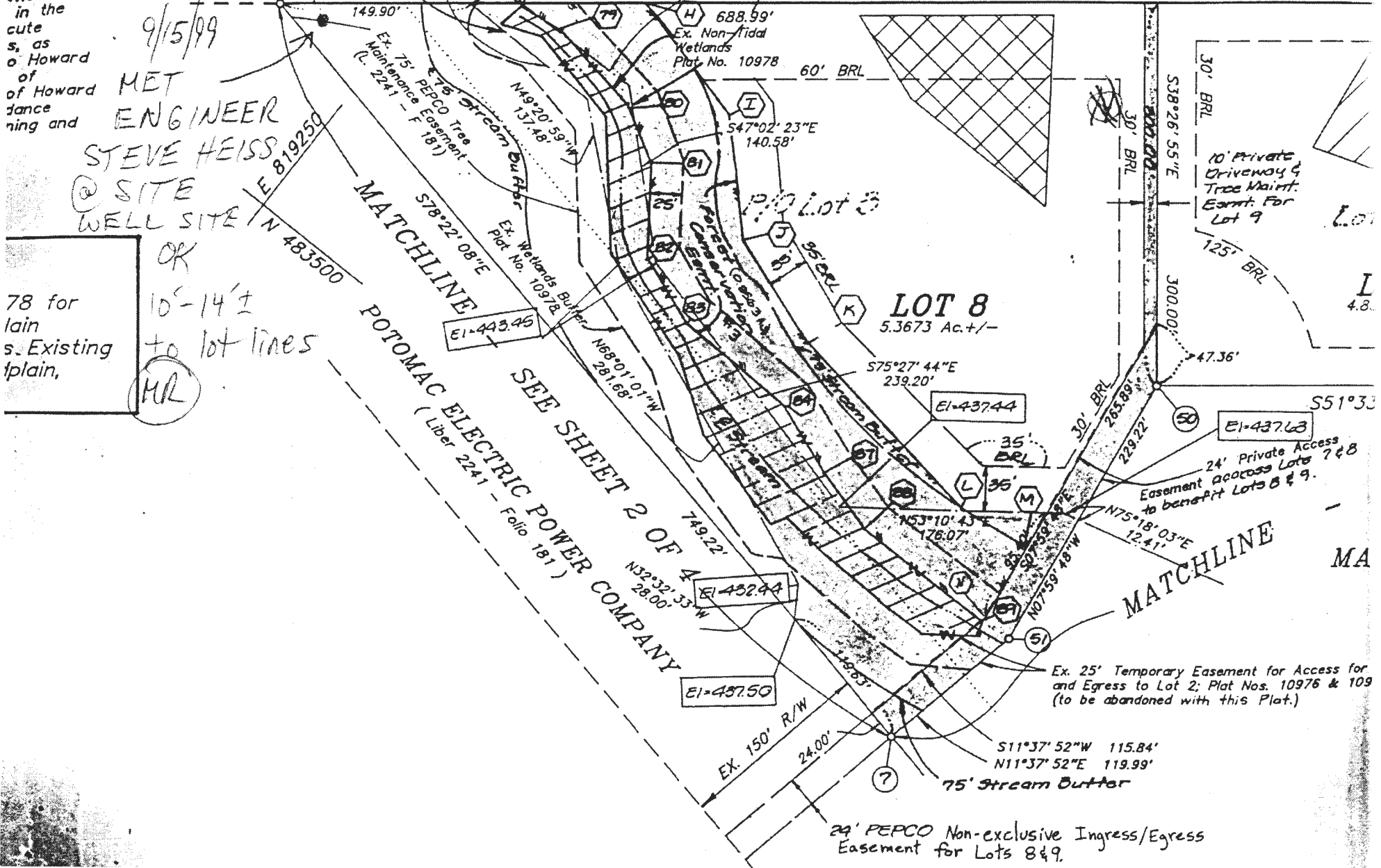
9/15/99
MET
ENGINEER
STEVE HEISS

@ SITE
WELL SITE

OK
10'-14'±
to lot lines

MR

78 for
lain
s. Existing
plain,



MATCHLINE
POTOMAC ELECTRIC POWER COMPANY
(Liber 2241 - Folio 181)

SEE SHEET 2 OF 4
POTOMAC ELECTRIC POWER COMPANY
(Liber 2241 - Folio 181)

MATCHLINE

29' PEPCO Non-exclusive Ingress/Egress
Easement for Lots 8 & 9.

Ex. 25' Temporary Easement for Access for
and Egress to Lot 2; Plat Nos. 10976 & 109
(to be abandoned with this Plat.)

24' Private Access
Easement access Lots 7 & 8
to benefit Lots 8 & 9.

10' Private
Driveway &
Tree Maint.
Easmt. For
Lot 9

LOT 8
5.3673 Ac +/-

MA