

C1 3480

SEQUENCE NO.  
(MDE USE ONLY)STATE OF MARYLAND  
WELL COMPLETION REPORT  
FILL IN THIS FORM COMPLETELY  
PLEASE TYPETHIS REPORT MUST BE SUBMITTED WITHIN  
45 DAYS AFTER WELL IS COMPLETED.COUNTY  
NUMBER (13) A511456

ST/CO USE ONLY

DATE Received

MM DD YY

8 13

DATE WELL COMPLETED

MM DD YY  
6 11 04

Depth of Well

22 700 26

(TO NEAREST FOOT)

PERMIT NO.  
FROM "PERMIT TO DRILL WELL"

H0 - 94 - 3937

28 29 30 31 32 33 34 35 36 37

OWNER

STREET OR RFD

SUBDIVISION

SECTION

TOWN

LOT

## WELL LOG

Not required for driven wells

## GROUTING RECORD

WELL HAS BEEN GROUTED  
(Circle Appropriate Box)yes no  
Y N  
44 44

TYPE OF GROUTING MATERIAL (Circle one)

CEMENT CM BENTONITE CLAY BC

NO. OF BAGS 45 46 8 NO. OF POUNDS 45 46 800

GALLONS OF WATER 48

DEPTH OF GROUT SEAL (to nearest foot)

from 48 TOP 52 ft. to 35 BOTTOM 58 ft.  
(enter 0 if from surface)

## CASING RECORD

casing  
types  
insert  
appropriate  
code  
belowST CO  
STEEL CONCRETE  
PL OT  
PLASTIC OTHERMAIN  
CASING  
TYPENominal diameter  
top (main) casing  
(nearest inch)Total depth  
of main casing  
(nearest foot)PL 6 35  
60 61 63 64 66 70E  
A  
C  
H  
C  
A  
S  
I  
N  
G

## OTHER CASING (if used)

diameter depth (feet)  
inch from toscreen type  
or open hole  
insert  
appropriate  
code  
below

## SCREEN RECORD

ST BR HO  
STEEL BRASS OPEN  
HOLE  
PL OT  
PLASTIC OTHER

## DEPTH (nearest ft.)

C 2  
1 2  
H0 35 700

E 8 9 11 15 17 21

A 23 24 26 30 32 36

S 38 39 41 45 47 51

R 38 39 41 45 47 51

E SLOT SIZE 1 2 3

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  
1 2

## PUMPING TEST

HOURS PUMPED (nearest hour)

6  
8 9

PUMPING RATE (gal. per min.)

2.50  
11 15METHOD USED TO  
MEASURE PUMPING RATE

Submersible

WATER LEVEL (distance from land surface)

BEFORE PUMPING 31 17 20 ft.

WHEN PUMPING 298 22 25 ft.

TYPE OF PUMP USED (for test)

A air P piston T turbine  
27 27 27  
C centrifugal R rotary O other (describe below)  
27 27 27  
J jet S submersible  
27 27

## PUMP INSTALLED

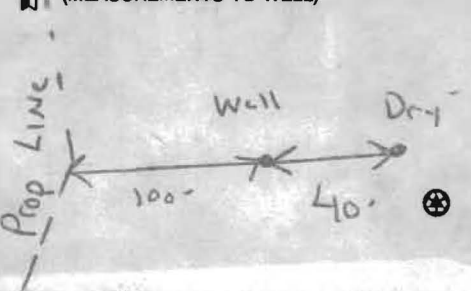
DRILLER INSTALLED PUMP (CIRCLE) (YES or NO) YES NO

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 47CASING HEIGHT (circle appropriate box  
and enter casing height)+ above } LAND SURFACE (nearest foot)  
49  
- below } 50 51

## LOCATION OF WELL ON LOT

SHOW PERMANENT STRUCTURE SUCH AS  
BUILDING, SEPTIC TANKS, AND /OR  
LANDMARKS AND INDICATE NOT LESS  
THAN TWO DISTANCES  
(MEASUREMENTS TO WELL)

NUMBER OF UNSUCCESSFUL WELLS:

WELL HYDROFRACTURED

yes no  
Y N

## CIRCLE APPROPRIATE LETTER

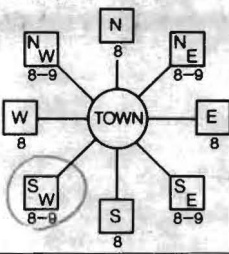
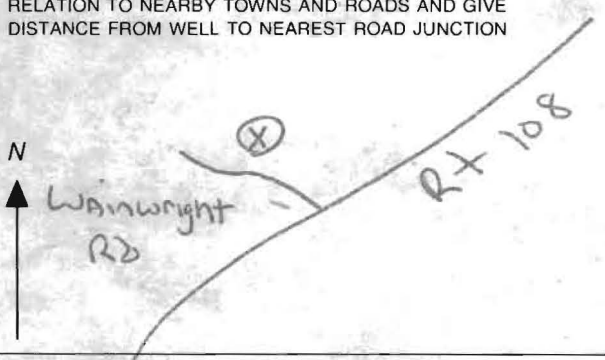
A A WELL WAS ABANDONED AND SEALED  
WHEN THIS WELL WAS COMPLETED  
E ELECTRIC LOG OBTAINED  
P TEST WELL CONVERTED TO PRODUCTION  
WELLI HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN  
ACCORDANCE WITH COMAR 26.04.04 "WELL CONSTRUCTION" AND  
IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE  
CAPTIONED PERMIT, AND THAT THE INFORMATION PRESENTED  
HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY  
KNOWLEDGE.

DRILLERS LIC. NO. 1 M 8 D 162

DRILLERS SIGNATURE  
(MUST MATCH SIGNATURE ON APPLICATION)

LIC. NO. 1 JW D 241

SITE SUPERVISOR (sign. of driller or journeyman  
responsible for sitework if different from permittee)

<div style="display: flex; justify-content: space-between;"><div><b>B 1</b> <span style="font-size: 24pt; font-weight: bold;">3708</span></div><div>SEQUENCE NO. (MDE USE ONLY)</div></div>		<b>STATE OF MARYLAND</b> <b>APPLICATION FOR PERMIT TO DRILL WELL</b> <div style="display: flex; justify-content: space-between;"><div>520319</div><div>please type</div></div>		STATE PERMIT NUMBER <div style="font-size: 24pt; font-weight: bold;">H0-94-3937</div> <div style="font-size: 10pt;">fill in this form completely</div>											
<div style="display: flex;"><div style="flex: 1;"><div>Date Received (APA) <span style="font-size: 18pt;">4/23/04</span></div><div style="border-top: 1px solid black; padding-top: 5px;"><div style="display: flex; justify-content: space-between;"><div>8 MM DD YY 13</div><div>OWNER INFORMATION</div></div><div style="display: flex; justify-content: space-between;"><div>Last Name <span style="font-size: 18pt;">Bates</span></div><div>Owner <span style="font-size: 18pt;">Bruce</span></div><div>First Name <span style="font-size: 18pt;">301-617-0164</span></div></div><div style="display: flex; justify-content: space-between;"><div>36 <span style="font-size: 18pt;">8516 Edenton Ct</span></div><div>Street or RFD <span style="font-size: 18pt;">Fulton</span></div><div>55 <span style="font-size: 18pt;">MD 20759</span></div></div><div style="display: flex; justify-content: space-between;"><div>57 Town</div><div>70 State</div><div>72 Zip</div><div>76</div></div></div></div><div style="flex: 1;"><div><b>B 3</b> LOCATION OF WELL</div><div style="border-top: 1px solid black; padding-top: 5px;"><div style="display: flex; justify-content: space-between;"><div>8 COUNTY <span style="font-size: 18pt;">Howard</span></div><div>21</div></div><div style="display: flex; justify-content: space-between;"><div>23 SUBDIVISION <span style="font-size: 18pt;">Sarah Wainwright Estate</span></div><div>42</div></div><div style="display: flex; justify-content: space-between;"><div>SECTION <span style="font-size: 18pt;">Revised Parcel 6</span></div><div>LOT <span style="font-size: 18pt;">F. Hon</span></div></div><div style="display: flex; justify-content: space-between;"><div>52 NEAREST TOWN</div><div>71</div></div><div style="display: flex; justify-content: space-between;"><div>MILES FROM TOWN (enter 0 if in town)</div><div><span style="font-size: 18pt;">3</span> M I</div></div></div></div></div>				<div style="display: flex;"><div style="flex: 1;"><div><b>B 4</b></div><div style="border-top: 1px solid black; padding-top: 5px;"><div style="display: flex; justify-content: space-between;"><div>1 2</div><div>DIRECTION OF WELL FROM TOWN (CIRCLE BOX)</div></div><div style="text-align: center;"></div></div></div><div style="flex: 1;"><div style="border-top: 1px solid black; padding-top: 5px;"><div style="display: flex; justify-content: space-between;"><div>11 NEAR WHAT ROAD <span style="font-size: 18pt;">13060 Wainwright Rd</span></div><div>30</div></div><div style="display: flex; justify-content: space-between;"><div>ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)</div><div><div style="display: flex; justify-content: space-around;"><div><div style="border: 1px solid black; padding: 2px;">N</div><div style="border: 1px solid black; padding: 2px;">W</div></div><div><div style="border: 1px solid black; padding: 2px;">E</div><div style="border: 1px solid black; padding: 2px;">S</div></div></div></div><div style="display: flex; justify-content: space-between;"><div>34 DISTANCE FROM ROAD <span style="font-size: 18pt;">500</span></div><div>37 ENTER FT OR MI <span style="font-size: 18pt;">FT</span></div></div><div style="display: flex; justify-content: space-between;"><div>TAX MAP: <span style="font-size: 18pt;">40</span> BLK: <span style="font-size: 18pt;">9</span> PARCEL: <span style="font-size: 18pt;">502</span></div><div></div></div></div></div></div></div>											
<div style="display: flex;"><div style="flex: 1;"><div><b>B 2</b> WELL INFORMATION</div><div style="border-top: 1px solid black; padding-top: 5px;"><div style="display: flex; justify-content: space-between;"><div>1 2</div><div>APPROX. PUMPING RATE (GAL. PER MIN.)</div></div><div style="display: flex; justify-content: space-between;"><div>8</div><div><span style="font-size: 18pt;">5</span></div><div>12</div></div><div style="display: flex; justify-content: space-between;"><div>AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY)</div><div><span style="font-size: 18pt;">750</span></div><div>20</div></div></div></div><div style="flex: 1;"><div style="border-top: 1px solid black; padding-top: 5px;"><div style="display: flex; justify-content: space-between;"><div>USE FOR WATER (CIRCLE APPROPRIATE BOX)</div><div></div></div><div style="display: flex; flex-direction: column; gap: 5px;"><div><input checked="" type="checkbox"/> DOMESTIC POTABLE SUPPLY &amp; RESIDENTIAL IRRIGATION</div><div><input type="checkbox"/> FARMING (LIVESTOCK WATERING &amp; AGRICULTURAL IRRIGATION)</div><div><input type="checkbox"/> INDUSTRIAL, COMMERCIAL, DEWATERING</div><div><input type="checkbox"/> PUBLIC WATER SUPPLY WELL</div><div><input type="checkbox"/> TEST, OBSERVATION, MONITORING</div><div><input type="checkbox"/> GEO-THERMAL</div></div></div></div></div>				<div style="border-top: 1px solid black; padding-top: 5px;"><div style="display: flex; justify-content: space-between;"><div>NOT TO BE FILLED IN BY DRILLER</div><div>HEALTH DEPARTMENT APPROVAL</div></div><div style="display: flex; justify-content: space-between;"><div><span style="font-size: 18pt;">Howard</span></div><div><span style="font-size: 18pt;">(13)</span></div><div><span style="font-size: 18pt;">A511456</span></div></div><div style="display: flex; justify-content: space-between;"><div>COUNTY NAME</div><div>COUNTY NO.</div></div><div style="display: flex; justify-content: space-between;"><div>STATE SIGNATURE</div><div>INSERT S →</div><div>41</div></div><div style="display: flex; justify-content: space-between;"><div>DATE ISSUED <span style="font-size: 18pt;">4/30/2004</span></div><div><span style="font-size: 18pt;">Brian Baker</span></div><div><span style="font-size: 18pt;">4/30/2005</span></div></div><div style="display: flex; justify-content: space-between;"><div>43 MM DD YY 48</div><div>CO SIGNATURE</div><div>EXP. DATE</div></div><div style="display: flex; justify-content: space-between;"><div>NORTH GRID <span style="font-size: 18pt;">486</span></div><div>000</div><div>55</div><div>EAST GRID <span style="font-size: 18pt;">807</span></div><div>000</div><div>63</div></div></div>											
<div style="border-top: 1px solid black; padding-top: 5px;"><div style="display: flex; justify-content: space-between;"><div>APPROXIMATE DEPTH OF WELL</div><div><span style="font-size: 18pt;">250</span></div><div>FEET</div></div><div style="display: flex; justify-content: space-between;"><div>APPROXIMATE DIAMETER OF WELL</div><div><span style="font-size: 18pt;">6</span></div><div>NEAREST INCH</div></div></div>				<div style="border-top: 1px solid black; padding-top: 5px;"><div style="display: flex; justify-content: space-between;"><div>METHOD OF DRILLING (circle one)</div><div></div></div><div style="display: flex; justify-content: space-between;"><div>BORED (or Augered)</div><div><input checked="" type="checkbox"/> JETTED</div><div>Jettied &amp; DRIVEN</div></div><div style="display: flex; justify-content: space-between;"><div>30 AIR-ROTary</div><div><input checked="" type="checkbox"/> AIR-PERCussion</div><div>ROTARY (Hydraulic Rotary)</div></div><div style="display: flex; justify-content: space-between;"><div>37 CABLE</div><div><input checked="" type="checkbox"/> REVERSE-ROTary</div><div>DRIVE-POINT</div></div><div>other</div></div>				<div style="border-top: 1px solid black; padding-top: 5px;"><div style="display: flex; justify-content: space-between;"><div>REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)</div><div></div></div><div style="display: flex; flex-direction: column; gap: 5px;"><div><input checked="" type="checkbox"/> THIS WELL WILL NOT REPLACE AN EXISTING WELL</div><div><input type="checkbox"/> THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED</div><div><input type="checkbox"/> THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS</div><div><input type="checkbox"/> THIS WELL WILL DEEPEEN AN EXISTING WELL</div></div><div style="display: flex; justify-content: space-between;"><div>PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE)</div><div>41</div><div>52</div></div></div>				<div style="border-top: 1px solid black; padding-top: 5px;"><div style="display: flex; justify-content: space-between;"><div>SHOW MAJOR FEATURES OF BOX &amp; LOCATE WELL WITH AN X</div><div></div></div><div style="display: flex; justify-content: space-between;"><div>SOURCES OF DRILLING WATER</div><div></div></div><div style="display: flex; justify-content: space-between;"><div>1. Well</div><div></div></div><div style="display: flex; justify-content: space-between;"><div>2.</div><div></div></div><div style="display: flex; justify-content: space-between;"><div>3.</div><div></div></div><div style="display: flex; justify-content: space-between;"><div>WRITE THE BOX NUMBER FROM THE MAP HERE</div><div></div></div><div style="display: flex; justify-content: space-between;"><div>E <span style="font-size: 18pt;">8007</span></div><div></div><div>N <span style="font-size: 18pt;">4806</span></div></div><div style="display: flex; justify-content: space-between;"><div>DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION</div><div></div></div><div style="text-align: center;"></div></div>			
<div style="border-top: 1px solid black; padding-top: 5px;"><div style="display: flex; justify-content: space-between;"><div>Not to be filled in by driller (MDE OR COUNTY USE ONLY)</div><div></div></div><div style="display: flex; justify-content: space-between;"><div>APPROX. PERMIT NUMBER</div><div><span style="font-size: 18pt;">G</span></div></div><div style="display: flex; justify-content: space-between;"><div>PERMIT No.</div><div><span style="font-size: 18pt;">H0-94-3937</span></div><div>70 71 72 73 74 75 76 77 78 79</div></div></div>															
<div style="border-top: 1px solid black; padding-top: 5px;"><div style="display: flex; justify-content: space-between;"><div>SPECIAL CONDITIONS</div><div>NOTE - APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED</div></div></div>															



B 1		SEQUENCE NO. (MDE USE ONLY)		STATE OF MARYLAND PERMIT TO DRILL WELL please print or type		STATE PERMIT NUMBER 10-94-2333 fill in this form completely	
Date Received (APA) 06/11/99 8 MM DD YY 13				OWNER INFORMATION RN 7881			
Allan Homes 15 Last Name Owner First Name 34 P. O. Box 1058 36 Street or RFD 55 Columbia, Md 21044 57 Town 70 State 72 Zip 76				LOCATION OF WELL Howard 8 COUNTY 21 Wainwright Property 23 SUBDIVISION 42 SECTION 44 46 LOT 6 48 50 Simpsonville 52 NEAREST TOWN 71 MILES FROM TOWN (enter 0 if in town) 2 M 1 73 76 77 78			
DRILLER INFORMATION George F. Easterday M WD 040 Driller's Name 76 License No. 81 L. F. Easterday Inc Firm Name 9265 Brown Church Rd, MT Airy MD 21771 Address George F. Easterday Inc Signature Date				B 4 1 2 DIRECTION OF WELL FROM TOWN (CIRCLE BOX) N W N E 8-9 8-9 W TOWN E 8 8 S W S E 8-9 8-9 S 8 WAINWRIGHT Road 11 NEAR WHAT ROAD 30 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) NORTH N WEST W EAST E SOUTH S 34 37 DISTANCE FROM ROAD ENTER FT OR MI 38 39 TAX MAP: BLK: PARCEL			
B 2 1 2 WELL INFORMATION APPROX. PUMPING RATE 5 (GAL. PER MIN.) 8 12 AVERAGE DAILY QUANTITY NEEDED 500 (GAL. PER DAY) 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 COUNTY NAME Howard COUNTY NO. A 511456 STATE SIGNATURE INSERT S DATE ISSUED 07/20/99 43 MM DD YY 48 TO SIGNATURE EXP. DATE NORTH 480000 EAST 9807 000 GRID 50 55 63 SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN SOURCES OF DRILLING WATER 18E10 Tag Destroyed DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION Simpsonville Wainwright Rd County line 108			
APPROXIMATE DEPTH OF WELL 24 28 FEET APPROXIMATE DIAMETER OF WELL 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 DEEPEENED 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 DEEPEEN AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEENED (IF AVAILABLE) 41 52 Not to be filled in by driller (MDE OR COUNTY USE ONLY) APPROX. PERMIT NUMBER 54 GAP 63 PERMIT No. 10-94-2333 70 71 72 73 74 75 76 77 78 79				SPECIAL CONDITIONS NOTE: APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED			

## RE-TEST OF HYDROFRACTURED WELL:

FIELD DATA SHEET  
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 94-3937  
Location of property (road) 13060 Wainwright Road  
Subdivision Susan Wainwright Estates Lot Parcel 6 Block \_\_\_\_\_ Plat \_\_\_\_\_ Sec. \_\_\_\_\_  
Well Driller G. Edgar Harr Owner Bruce Bates

Depth of well 700 Ft  
Distance of measuring point (M.P.) above ground 1 Ft  
Static water level (S.W.L.) below M.P. 31 Ft

## I. High rate pumping -- reservoir drawdown

Time pump started 0700 Pumping rate 15.00  
Total time 1 Hr to reach pumping water level 293 ft. below M.P.

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

TIME (in 15 minute intervals)	WATER LEVEL below M.P.	PUMPING RATE time to fill 4 gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
0700	31 Ft	4		15.00
0715	102	6		10.00
0730	176	8		7.50
0745	251	11		5.45
0800	293	19		3.15
0815	296	22		2.72
0830	297	23		2.60
0845	297	23		2.60
0900	298	24		2.50
0915	298	24		2.50
0930	298	24		2.50
0945	298	24		2.50
1000	298	24		2.50
1015	298	24		2.50
1030	298	24		2.50
1045	298	24		2.50
1100	298	24		2.50
1115	298	24		2.50
1130	298	24		2.50
1145	298	24		2.50
1200	298	24		2.50
1215	298	24		2.50
1230	298	24		2.50
1245	298	24		2.50

FIELD DATA SHEET  
HOWARD COUNTY WELL YIELD TEST

Depth of well 700 Ft  
 Distance of measuring point (M.P.) above ground 1 Ft  
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Time pump started 0700 Pumping rate 15.00  
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[illegible]

**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 26.04.04 (MD Well Construction Regulations). Submission of a complete form is required prior to use and occupancy approval.

Company Name: **TRI-COUNTY PUMP SERVICE INC.** Telephone #: 301-432-0330  
Address: 6711 OLD NATIONAL PIKE  
BEGGSBORO, MD 21713-2751

(Must circle one) Licensed Plumber      Licensed Well Driller      Licensed Well Pump Installer  
License # and name of individual responsible for the field installation:

Name (Print): William Bricker License # 20135 M0  
\*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: Bruce Bates Telephone #: 301-617-0167  
Subdivision: 13060 Wainwright Rd Lot #: \_\_\_\_\_ Well Tag #: HO-4094-3937  
Site Address: \_\_\_\_\_ 4094-3937

<b>Submersible Pump Data</b>	<b>Pitless Adapter</b>	<b>Well Cap and Electric Conduit</b>
Make: <u>S&amp;K-Rite</u>	Make: <u>American Oramby</u>	Two piece watertight cap: <input checked="" type="checkbox"/>
Model #: <u>SP4F02HL</u>	Model #: <u>PT800</u>	Screened, vented well cap: <input checked="" type="checkbox"/>
Pump Capacity <u>5</u> GPM	Depth: <u>42"</u> (36" min)	Cap secured to casing: <input checked="" type="checkbox"/>
Well Yield: <u>2</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: <u>200</u> (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 \_\_\_\_\_

**Piping to house**      **House Connection**  
Type: Black well Pipe CresLine PVC sleeved to undisturbed soil at wall penetration: yes  
PSI: 2 (160 psi min)      Approximate length of sleeve: 20'  
Depth of supply line: 42" (36" min)      Sieve caulked and sealed properly: yes

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: [Signature]      date: 4-25-05

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

Date Insp. Requested: \_\_\_\_\_ Date Insp. Approved: 4/25/05 **BB**  
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 ☒



LIBER 4786 FOLIO 0297

5126 FOLIO 675

Chiluit B

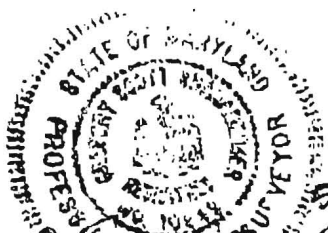
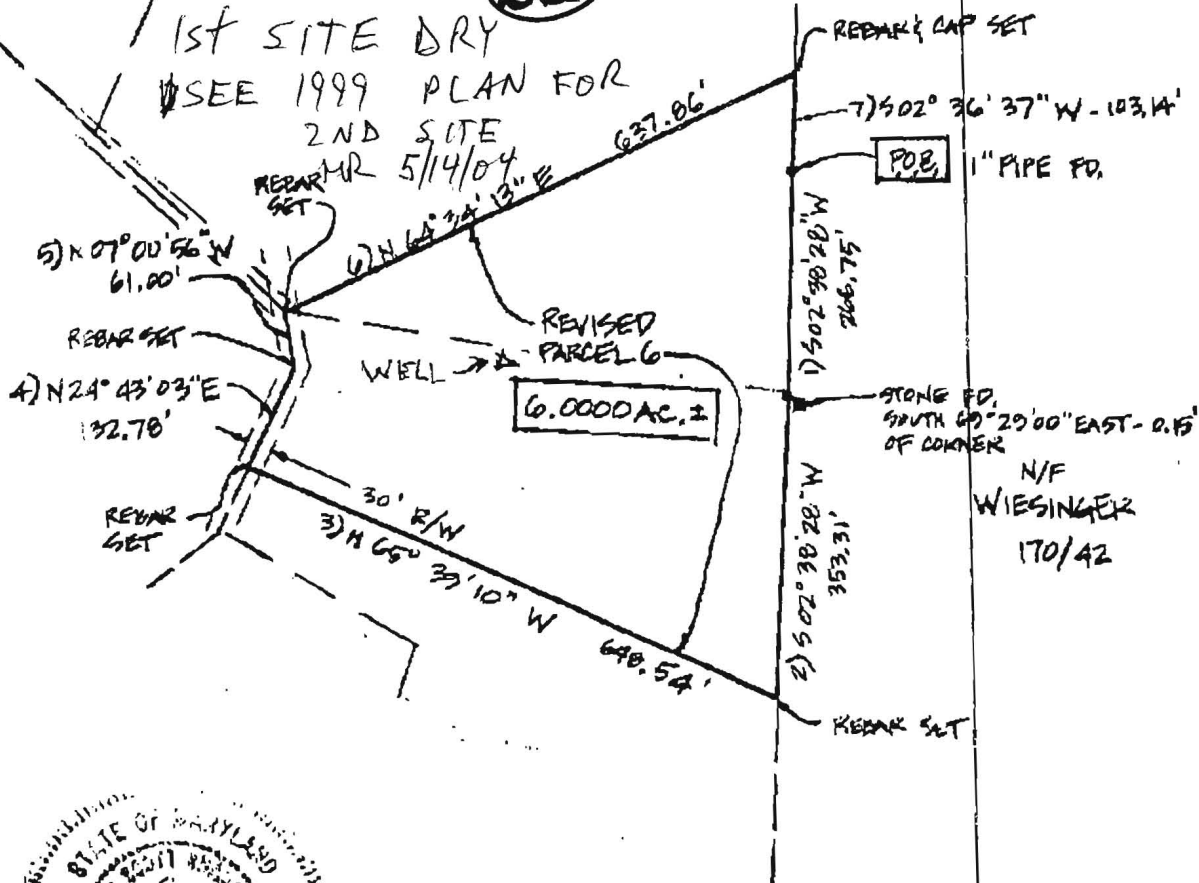
4/30/04

Well Site Staked  
By Shanaberger and  
2ND REVISED  
PARCEL 9 Lane in 1999

(BB)

1ST SITE DRY

SEE 1999 PLAN FOR  
2ND SITE  
MR 5/14/04



**SHANABERGER & LANE**  
8726 TOWN & COUNTRY BLVD.  
SUITE 104  
ELLCOTT CITY, MD. 21043  
(410) 461-9563

PLAT TO ACCOMPANY DESCRIPTION  
REVISED PARCEL 6

(REVISED 1ST REMAINDER OF 3RD PARCEL  
OF THE SARAH A. WAINWRIGHT ESTATE)

DEED REF. 3229/341, 3229/368

COUNTY: HOWARD

ELECTION DISTRICT: 5TH

SCALE: 1" = 200'

DATE: APRIL 19, 1999



Howard County  
Health Department

3525 H Ellicott Mills Drive, Ellicott City, MD 21043  
(410) 313-1771 Fax (410) 313-2648  
TDD (410) 313-2323 Toll Free 1-866-313-6300  
website: www.hchealth.org

Pennv E. Borenstein, M.D., M.P.H., Health Officer

April 26, 2005

Alfred & Kimberly Powell  
13060 Wainwright Road  
Highland, MD 20777

**SENT VIA FACSIMILE 301-617-0420**

RE: 13060 Wainwright Road  
Highland, MD 20777  
BP #: B00148014  
Well Permit # HO-94-3937

Dear Sirs:

This is to advise you that the septic system for the above referenced property has been installed and inspected. **Final approval of the septic system was granted on 09/08/2004. Final approval of the well line connection to the dwelling was approved on 04/25/2005.**

The water sample results indicate that the water samples submitted for testing were free of coliform and fecal coliform bacteria at the time of sampling and are bacteriologically safe for drinking. The water sample results were found to be in compliance with COMAR water quality standards.

#### **INTERIM CERTIFICATE OF POTABILITY**

This certifies that the initial sampling requirements of COMAR 26.04.04 "Well Regulations" have been met for the water supply system installed under well permit #HO-94-3937. Although the submitted sample results are in compliance with COMAR standards, the Health Department does not guarantee water supplies. Based upon satisfactory investigation and evaluation, the Howard County Health Department as authorized by the Maryland Department of the Environment accepts this well system as required by COMAR 26.04.04.

This certificate may become final upon completion of the second bacteriological test, which is to be taken by the county health department within six months of receipt of this letter. **Please contact (410) 313-1773 to schedule a final water sample appointment. Currently, there is no charge for this final sampling.**

Date of Water Sample(s): 02/17/2005 & 03/03/2005  
Date of Well Completion: 06/11/2004

Approving Authority,

*Brian Baker*  
Brian Baker, R. S.  
Well & Septic Program

cc: Building Inspector's Office  
Community Health Services  
File



# NOTES:

1. TOPOGRAPHY SHOWN HEREON WAS FIELD-RUN BY SHANABERGER & LANE ON MARCH 29, 2003.
2. B.R.L. DESIGNATES BUILDING RESTRICTION LINE
3. .... DESIGNATES LIMITS OF DISTURBANCE  
-S-F- DESIGNATES SILT FENCE  
37.7 DESIGNATES PROPOSED SPOT ELEVATION
4. THIS AREA DESIGNATES A PROPOSED PRIVATE SEWAGE RESERVE AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWAGE IS AVAILABLE. THIS RESERVE AREA SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS INTO THE PRIVATE SEWAGE RESERVE AREA.
5. TOTAL AREA DISTURBED = 27,413 SF±
6. GRAVITY SEWER SERVICE TO BASEMENT IS AVAILABLE.

7. + DESIGNATES PROP. PERC  
A

## SEPTIC SYSTEM DATA

INV. AT HOUSE 427.6

### SEPTIC TANK

EX. GRADE 430.8  
FIN. GRADE 430.8  
INV. IN 427.2  
INV. OUT 426.9

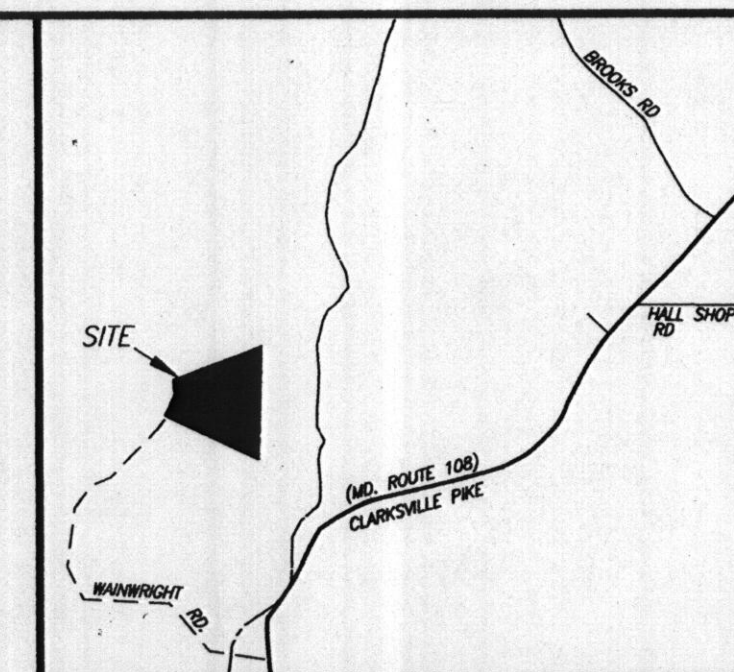
### DISTRIBUTION BOX

EX. GRADE 425.5  
FIN. GRADE 425.5  
INV. IN 422.2  
INV. OUT 422.0

### TRENCHES

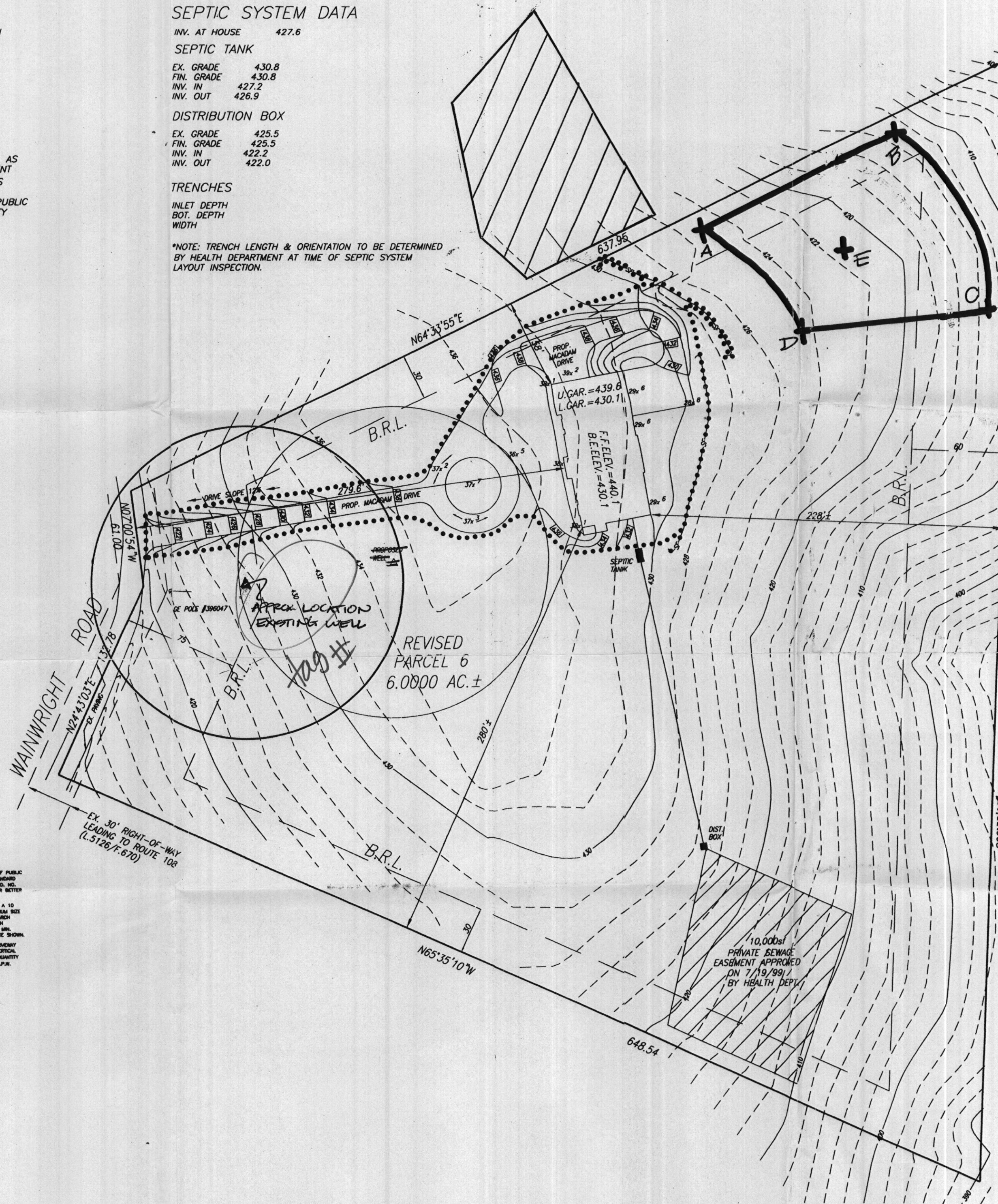
INLET DEPTH  
BOT. DEPTH  
WIDTH

\*NOTE: TRENCH LENGTH & ORIENTATION TO BE DETERMINED BY HEALTH DEPARTMENT AT TIME OF SEPTIC SYSTEM LAYOUT INSPECTION.

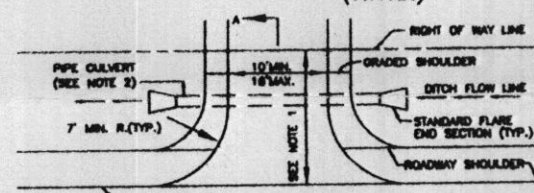


VICINITY MAP  
SCALE: 1"=2000'

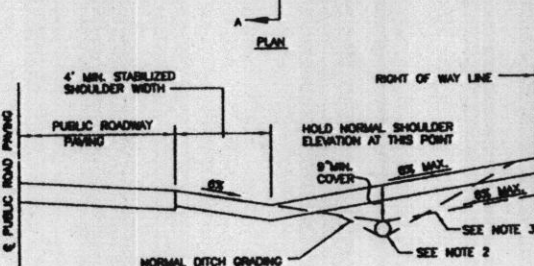
6/21/04  
Reviewed by J. Boris  
Please include a well location statement that it has been field located



## DRIVEWAY ENTRANCE STANDARD DETAIL (N.T.S.)



1. DRIVEWAY MUST BE PAVED FROM EDGE OF PUBLIC ROAD TO RIGHT OF WAY LINE USING STANDARD PAVING SECTION P-1 AS SHOWN ON STD. NO. OR ALTERNATE SECTION EQUAL TO TO OR BETTER THAN P-1, AS APPROVED BY D.P.W.
2. DRAINAGE CULVERT SHALL BE SIZED FOR A 10 YEAR FREQUENCY STORM AND THE MINIMUM SIZE SHALL BE 12" DIA. ROUNDED OR 14" DIA. ARCH PIPE IF LARGER PIPE IS REQUIRED. DITCH INVERT SHALL BE LOWERED TO PROVIDE MIN. DITCH GRADIENT OF 0.25% AND CLEARANCE SHOWN.
3. WHERE FLOW MAY BE PROVIDED OVER DRIVEWAY LOCATED AT OR NEAR THE CREST OF VERTICAL CURVES ON THE PUBLIC ROAD WHERE QUANTITY OF FLOW IS SMALL, AS APPROVED BY D.P.W.
4. THE IN GRADE OF PRIVATE DRIVEWAY SHALL NOT EXCEED 14%.



SECTION A-A  
RESIDENTIAL DRIVEWAY ENTRANCE  
CONNECTION TO OPEN SECTION ROADWAY

\* NOTE: NO DRIVEWAY CULVERT IS PROPOSED FOR THIS LOT.

SHANABERGER & LANE  
8726 TOWN & COUNTRY BLVD.  
SUITE 201  
ELLICOTT CITY, MD. 21043  
PHONE: 410-461-9563  
FAX: 410-461-9693

OWNER  
KIMBERLY POWELL  
13060 WAINWRIGHT RD  
HIGHLAND, MD. 20777

CONTRACT PURCHASER/DEVELOPER:  
BRUCE BATES  
8516 EDENTON COURT  
FULTON, MD. 20759

REVISED WELL LOCATION  
PER SITE PLAN  
REVISED PARCEL 6  
(REVISED 1ST REMAINDER  
OF 3RD PARCEL OF THE SARAH  
G. WAINWRIGHT ESTATE)  
L.5126/F.670

TAX MAP 40 GRID 8 PARCEL 502  
3RD ELECTION DIST. HOWARD CO., MD.  
SCALE: 1"=50' APRIL 15, 2004