

C1 6622

SEQUENCE NO. (DENV USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

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

COUNTY NUMBER A 522 987

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

ST/CO USE ONLY DATE Received

DATE WELL COMPLETED 072711

Depth of Well 405 (TO NEAREST FOOT)

PERMIT NO. HO-95-2163

OWNER Heritage Realty & Land Development last name first name TOWN LISBON MD SUBDIVISION Meriwether Farm SECTION 2 LOT 25

WELL LOG table with columns: DESCRIPTION, FEET (FROM, TO), Check if water bearing. Includes entries for Top Soil, Sandy, Sand Stone, MICKA, Sand Stone, MICKA.

GROUTING RECORD form including fields for GROUTED (Y), TYPE OF MATERIAL (CM, BC), NO. OF BAGS (22), NO. OF POUNDS (200), GALLONS OF WATER (132), DEPTH OF GROUT SEAL (0 to 507 ft).

CASING RECORD form including fields for casing types (ST, CO, PL, OT), MAIN CASING TYPE (PL), Nominal diameter (6 inch), Total depth (60 feet).

OTHER CASING (if used) section with fields for diameter and depth.

SCREEN RECORD form including fields for screen type (ST, BR, HO, PL, OT), SLOT SIZE (1, 2, 3), DIAMETER OF SCREEN (59.00 inch).

IN HARD ROCK AREAS, IDENTIFY SPECIFICALLY WHERE SATURATED FRACTURES WERE OBSERVED. WELL HYDROFRACTURED (Y/N).

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 26.04.04 "WELL CONSTRUCTION" AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT...

DRILLERS IDENT. NO. MSD 112

DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

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

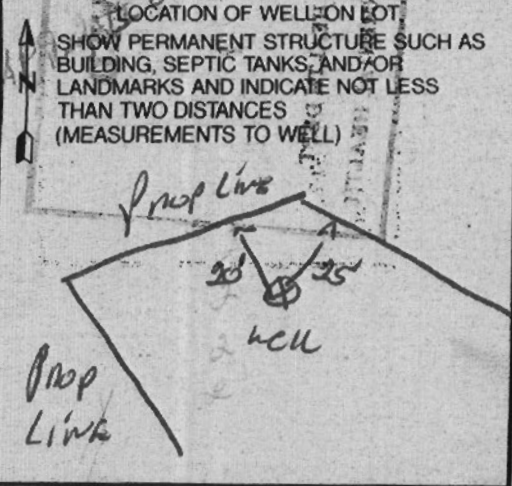
DEPTH (nearest ft.) table with rows for EACH CASING and SCREEN, columns for depth intervals (1-21, 23-24, 26-30, 32-36, 38-39, 41-45, 47-51).

GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68

MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER): T (70), E.R.O.S. (72), WQ (74-76), TELESCOPE CASING, LOG INDICATOR, OTHER DATA.

PUMPING TEST form including fields for HOURS PUMPED (6), PUMPING RATE (2 gal/min), METHOD USED TO MEASURE PUMPING RATE (Bucket), WATER LEVEL (19 before, 190 when pumping), TYPE OF PUMP USED (S submersible).

PUMP INSTALLED form including fields for DRILLER WILL INSTALL PUMP (YES/NO), TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O), CAPACITY (GALLONS PER MINUTE), PUMP HORSE POWER, PUMP COLUMN LENGTH, CASING HEIGHT (+ above, - below LAND SURFACE).



B1 0975

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL 535255 please type

STATE PERMIT NUMBER Ho-95-2163 fill in this form completely

Date Received (APA) 06-15-11

OWNER INFORMATION

Heritage Realty & Land Developer PO Box 482 Lisbon MA 02176

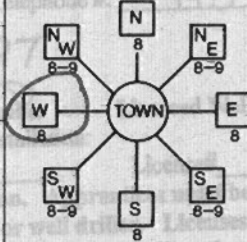
LOCATION OF WELL

Howard Meriwether Farm SECTION 2 LOT 25 GLENELG NEAREST TOWN 2 MILES FROM TOWN

DRILLER INFORMATION

Ralph E. Mayne MS D 112 Driller's Name License No. Firm Name 17024 Handy Rd. Mt Airy MA 02177 Address 722 E Highway 6/12/11 Signature Date

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



Meriwether Rd NEAR WHAT ROAD ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) NORTH EAST WEST SOUTH DISTANCE FROM ROAD 325 ENTER FT OR MI TAX MAP: 21 BLK: 16 PARCEL 28

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

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 13 A522987 COUNTY NAME COUNTY NO. STATE SIGNATURE INSERT S DATE ISSUED 6/29/2011 Brian Baker 6/29/2012 CO SIGNATURE EXP. DATE NORTH GRID 519 000 EAST GRID 791 000

APPROXIMATE DEPTH OF WELL 150 FEET APPROXIMATE DIAMETER OF WELL 6 NEAREST INCH

METHOD OF DRILLING (circle one)

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

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

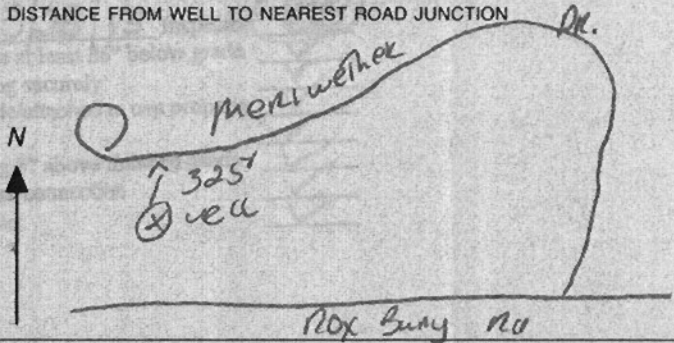
SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

SOURCES OF DRILLING WATER 1. well

WRITE THE BOX NUMBER FROM THE MAP HERE

E 791 N 519

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 H02008G010 PERMIT No. Ho-95-2163

SPECIAL CONDITIONS

NOTE - APPROVING AUTHORITIES SHOULD USE APPROPRIATE PERMIT NUMBER Wells within 100' Must Be Simultaneously Yield Tested

FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 95-2163
 Location of property (road) Men Wehen NM
 Subdivision Men Wehen Farm Lot 25 Block _____ Plat _____ Sec. 2
 Well Driller Ralph Mayne Owner Heritage Realty & Land Development
 Depth of well 405'
 Distance of measuring point (M.P.) above ground 2'
 Static water level (S.W.L.) below M.P. 19'

I. High rate pumping -- reservoir drawdown

Time pump started 6:30 Pumping rate 10 GPM
 Total time 30 min to reach pumping water level 190 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 5 gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
6:30	19' H	6 Sec	Test Startel	10 GPM
7:00	95' H	6 Sec		10 GPM
7:15	190' H	30 Sec	Test Startel	2 GPM
7:30	150' H	30 Sec		2 GPM
7:45	190' "	30 "		2 "
8:00	190' "	30 "		2 "
8:15	190' "	30 "		2 "
8:30	150' H	30 Sec		2 GPM
8:45	190' H	30 Sec		2 GPM
9:00	190' H	30 Sec		2 GPM
9:15	190' "	30 "		2 "
9:30	190' "	30 "		2 "
9:45	190' "	30 "		2 "
10:00	190' H	30 Sec		2 GPM
10:15	190' H	30 Sec		2 GPM
10:30	190' H	30 Sec		2 GPM
10:45	190' "	30 "		2 "
11:00	190' "	30 "		2 "
11:15	190' "	30 "		2 "
11:30	190' H	30 Sec		2 GPM
11:45	190' H	30 Sec		2 GPM
12:00	190' H	30 Sec		2 GPM
12:15	190' "	30 "		2 "
12:30	190' "	30 "		2 "
HD-224 12:45	190' H	30 Sec		2 GPM
1:00	190' H	30 Sec		2 GPM
1:15	190' H	30 Sec		2 GPM

**HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
WELL & SEPTIC PROGRAM
TEL: (410)313-1771 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: Fogles Well Drilling LLC Telephone #: 443-609-4195
Address: PO Box 202
Woodbine, MD 21797

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

License # and name of individual responsible for the field installation:
Name (Print): Allen Compton License# MSD009

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

Name of Property Owner: Tall Brothers Telephone #: 410-489-7407
Subdivision: W Canton Overlook Lot #: 25 Well Tag #: HO-95-2163
Site Address: 14913 Menwether Dr
Geneva, MD 21731

Submersible Pump Data	Pitless Adapter	Well Cap and Electric Conduit
Make: <u>Grundfos</u>	Make: <u>Campbell</u>	Two piece watertight cap: <u>YES</u>
Model #: <u>1550E10-220</u>	Model#: <u>N/A</u>	Screened, vented well cap: <u>YES</u>
Pump Capacity: <u>10</u> GPM	Depth: <u>36"</u> (36" min)	Cap secured to casing: <u>YES</u>
Well Yield: <u>20</u> GPM	NSF/WSC approved: <u>YES</u>	Conduit min 18" B.G.: <u>YES</u>
Depth of well encountered at time of pump installation: <u>405</u> (feet)	Conduit secured to well cap: <u>YES</u>	

If pump capacity exceeds well yield, a low water cut off switch is required by NSPC 1990 Section 17.3.4
Torque arrestors, Cable guards, or other acceptable method used- Must circle one
Safety rope, if used, attached to brass rope adapter or other acceptable method inside of well casing N/A

Piping to house
Type: 1" poly pipe
PSI: 110 (160 psi min)
Depth of supply line: 42" (36" min)

House Connection
PVC sleeve to undisturbed soil at wall penetration: YES
Length of sleeve (5' minimum from foundation): 5'
Sleeve sealed properly: YES

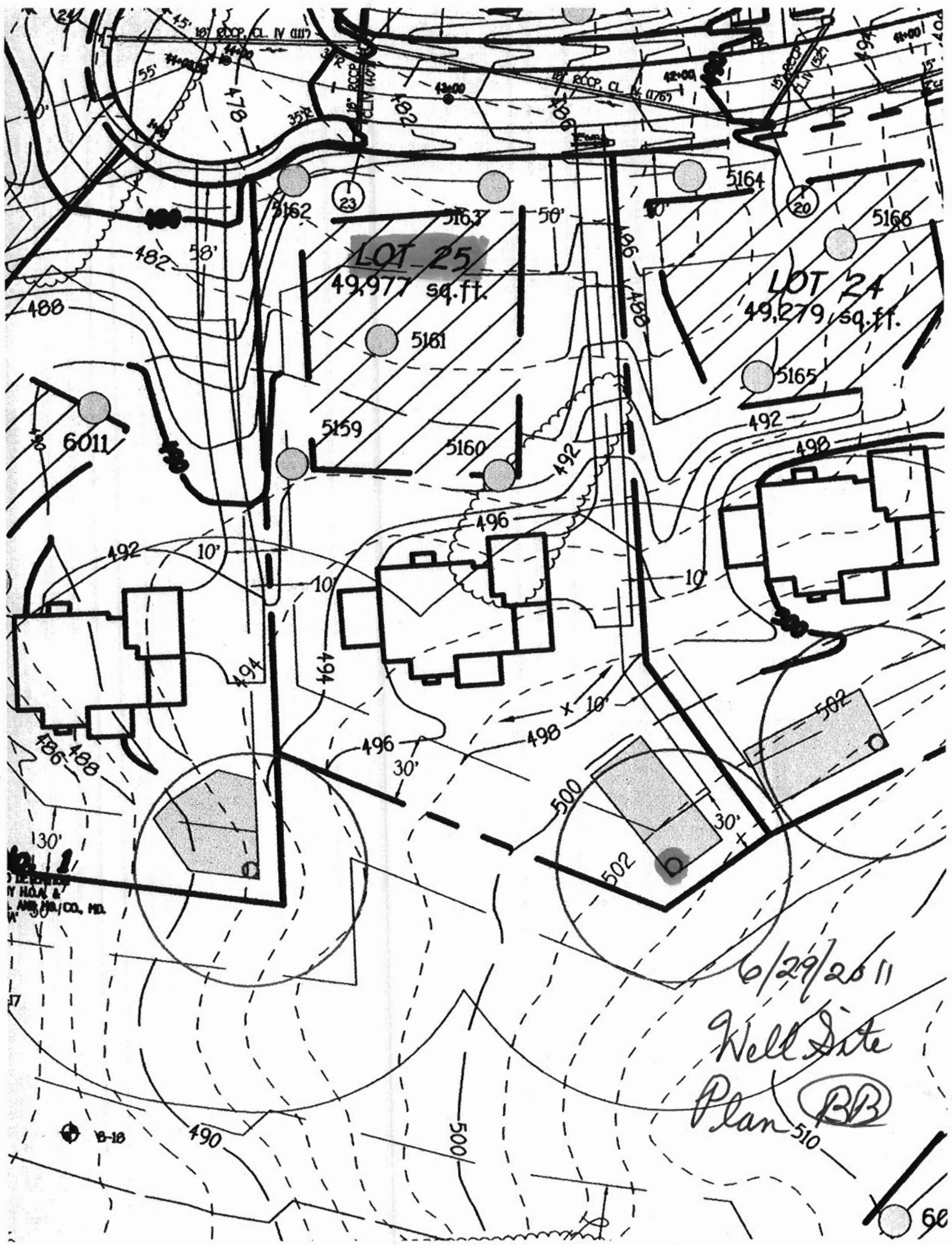
The water supply line is required to be at least ten feet from the septic tank, pump chamber, sewage piping, distribution box, drainfields, and sewage reserve area. If this cannot be accomplished, contact this office for approval prior to installation.

Signature of company representative responsible for installation: Allen Compton date: 8/26/13

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

Date Insp. Requested: _____ Date Insp. Approved: 8/28/13 Inspector: BB

Inspection Data: Pitless adapter watertight & water supply line at least 36" below grade	<input checked="" type="checkbox"/>
Two piece cap installed and attached to casing securely	<input checked="" type="checkbox"/>
Elec. conduit extends at least 18" below grade/attached to cap properly	<input checked="" type="checkbox"/>
Safety rope not outside of well cap/casing	<input checked="" type="checkbox"/>
Correct well tag attached properly and casing 8" above finished grade	<input checked="" type="checkbox"/>
Water supply line sleeved adequately at house connection	<input checked="" type="checkbox"/>
Adequate grout observed below pitless adapter	<input checked="" type="checkbox"/>

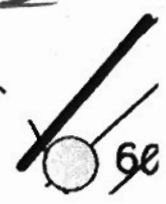


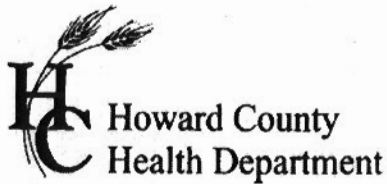
LOT 25
49,977 sq. ft.

LOT 24
49,279 sq. ft.

6/29/2011
Well Site
Plan **BB**
510

BY THE ENGINEER
J. H. H. &
ASSOCIATES, INC., MD.





7178 Columbia Gateway Dr., Columbia, MD 21046
(410) 313-2640 Fax (410) 313-2648
TDD (410) 313-2323 Toll Free 1-866-313-6300
website: www.hchealth.org

Peter L. Bielensohn, M.D., M.P.H., Health Officer

TO ALL INTERESTED PARTIES

When submitting a well application for a proposed well for new construction, please indicate one of the following:

Well Site Location:

<u>Meriwether Farm, Sec. II, Ph. 2</u>	<u>25</u>	<u>Meriwether Drive</u>
Subdivision/Property Name	Lot #	Road Name

The well site has been staked by Fisher, Collins & Carter, Inc.,
(professional land surveyor or company employing professional land surveyors)
on 3/21/11 (date) and does not require a site inspection.

The well driller, builder or property owner will call the Health Department to schedule a time to meet in the field to verify the proposed well site location.

This sheet, along with two copies of an acceptable well site plan, must be attached to the green well permit application.

Revised 3/11/07

11. NON-TRANSFERRABLE - THIS PERMIT IS NON-TRANSFERRABLE. A NEW OWNER MAY ACQUIRE AUTHORIZATION TO CONTINUE THIS APPROPRIATION BY FILING A NEW APPLICATION WITH THE ADMINISTRATION. AUTHORIZATION WILL BE ACCOMPLISHED BY ISSUANCE OF A NEW PERMIT.

12. *****
* INITIATION OF WITHDRAWAL - THE PERMITTEE SHALL NOTIFY THE*
* ADMINISTRATION BY CERTIFIED MAIL WHEN WITHDRAWALS FOR THE*
* USES SPECIFIED IN THIS PERMIT HAVE BEEN INITIATED. THIS *
* PERMIT SHALL EXPIRE IF WATER WITHDRAWAL IS NOT COMMENCED *
* WITHIN TWO YEARS AFTER THE EFFECTIVE DATE OF THIS PERMIT *
* EXCEPT THAT UPON WRITTEN REQUEST TO THE ADMINISTRATION *
* PRIOR TO THE EXPIRATION OF THE TWO YEAR PERIOD, THE TIME *
* LIMIT MAY BE EXTENDED FOR GOOD CAUSE, AT THE DISCRETION *
* OF THE ADMINISTRATION. *

13. WELL SPACING- IN ORDER TO MINIMIZE THE POTENTIAL FOR INTERFERENCE BETWEEN WELLS, ALL WELLS SHALL BE LOCATED WITHIN LOCALLY APPROVED WELL BOXES AND, WHERE FEASIBLE, BE CONSTRUCTED SO AS TO ACHIEVE A SEPARATION OF AT LEAST 100 FEET FROM EACH OTHER AND/OR FROM EXISTING WELLS ON OTHER PROPERTIES. THE PERMITTEE SHALL CONDUCT SIMULTANEOUS YIELD TESTS FOR ANY WELLS THAT ARE SEPARATED BY LESS THAN 100 FEET. IN THE EVENT THAT A WELL TESTED SIMULTANEOUSLY WITH OTHER WELLS DOES NOT MEET MINIMUM YIELD STANDARDS, THE PERMITTEE SHALL RELOCATE OR DEEPEN THE WELL OR SEEK LOCAL APPROVAL TO RELOCATE THE WELL BOXES SO AS TO ACHIEVE THE 100-FOOT SEPARATION DISTANCE. ALL WELLS SHALL COMPLY WITH WELL CONSTRUCTION REQUIREMENTS.

BY AUTHORITY OF THE DIRECTOR
WATER MANAGEMENT ADMINISTRATION

John W. Grace

2/6/2009

for John W. Grace, Chief
SOURCE PROTECTION AND APPROPRIATION DIV

MSM