

C1 867  
SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND  
WELL COMPLETION REPORT

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

1 2 3 6  
(THIS NUMBER IS TO BE PUNCHED  
IN COLS. 3-6 ON ALL CARDS)

FILL IN THIS FORM COMPLETELY  
PLEASE TYPE

COUNTY  
NUMBER

ST/CO USE ONLY  
DATE RECEIVED  
MM DD YY  
09 06 13

DATE WELL COMPLETED  
MM DD YY  
8-23-13

Depth of Well  
22 450 26  
(TO NEAREST FOOT)

PERMIT NO.  
FROM "PERMIT TO DRILL WELL"  
HO-95-2576

OWNER Boon Ryan, Richard  
WELL SITE ADDRESS 8863 Baltimore St TOWN Savage  
SUBDIVISION \_\_\_\_\_ SECTION \_\_\_\_\_ LOT \_\_\_\_\_

WELL LOG  
Not required for driven wells

DESCRIPTION (Use additional sheets if needed)	FEET		check if water bearing
	FROM	TO	
Gravel Blk Soil	0	2	
Orange Soil	2	9	
Gravel + Sand Clay	9	28	
Gravel + Wet Sandy Clay	28	38	
Weathered Blk Rock	38	44	
Hard Blk Rock	44	58	
Broken layers	58	60	
Hard Blk Rock	60	450	

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 40 NO. OF POUNDS 2000  
GALLONS OF WATER 1000  
DEPTH OF GROUT SEAL (to nearest foot)  
from 0 ft. to 450 ft.  
48 TOP 52 ft. to 54 BOTTOM 58 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 Nominal diameter top (main) casing (nearest inch) Total depth of main casing (nearest foot)  
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

NUMBER OF UNSUCCESSFUL WELLS: \_\_\_\_\_  
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. M WD 553

DRILLERS SIGNATURE  
(MUST MATCH SIGNATURE ON APPLICATION)

LIC. NO. ADD 942

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

DEPTH (nearest ft.)  
1 2  
E 1 8 9 11 15 17 21  
A 23 24 26 30 32 36  
C 38 39 41 45 47 51  
S  
R  
E  
E  
N  
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  
PUMPING TEST  
HOURS PUMPED (nearest hour) 8 9  
PUMPING RATE (gal. per min.) 11 15  
METHOD USED TO MEASURE PUMPING RATE \_\_\_\_\_  
WATER LEVEL (distance from land surface)  
BEFORE PUMPING 17 20 ft.  
WHEN PUMPING 22 25 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 YES NO  
(CIRCLE) (YES OR 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  
 - below } (nearest foot)  
49 50 51

LATITUDE 39.137646  
LONGITUDE 76.820940  
(DEFAULT COORD. WGS 84)

NOTES:  
Drilling front  
Gravel

Jay 06-403611

EMERGENCY/TEMP NO. IF ANY

<b>B 1</b>	21553	SEQUENCE NO. (MDE USE ONLY)	<b>STATE OF MARYLAND</b> <b>APPLICATION FOR PERMIT TO DRILL WELL</b> please type	STATE PERMIT NUMBER <u>Ho -95 - 2576</u> <small>70 fill in this form completely 79</small>
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Date Received (APA) 07 19 2013

**OWNER INFORMATION**

8 MM DD YY 13

15 Last Name Bourgin Owner Richard D First Name D 34

36 Street or RFD PO Box 1007, 8863 Baltimore St 55

57 Town Savage Md 20763 70 State 72 Zip 76

**LOCATION OF WELL**

8 COUNTY Howard 21

23 SUBDIVISION Savage 42

SECTION 44 46 LOT 48 50

52 NEAREST TOWN Savage 71

**DRILLER INFORMATION**

Driller's Name C John Hess MWD 553 76 License No. 81

Firm Name Allied Environmental Svcs

Address PO Box 139, Annap Jane md 20701

Signature C John Hess Date 7-12-13

**SOURCES OF DRILLING WATER**

1. Public

2.

3.

11 STREET ADDRESS 8863 Baltimore St 30

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)

NORTH  
 WEST  
 EAST  
 SOUTH

34 60' 37 DISTANCE FROM ROAD

ENTER FT OR MI 38 39

TAX MAP: 0047 BLK: 0011 PARCEL 0717

**WELL INFORMATION**

1 2

APPROX. PUMPING RATE (GAL. PER MIN.) 8 12

AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 14 20

**USE FOR WATER (CIRCLE APPROPRIATE BOX)**

DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION

FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)

22  INDUSTRIAL, COMMERCIAL, DEWATERING

PUBLIC WATER SUPPLY WELL

TEST, OBSERVATION, MONITORING

OPEN LOOP GEOTHERMAL

CLOSED LOOP GEOTHERMAL 2 Loops

**NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL**

County Name Howard County No. 13

STATE SIGNATURE \_\_\_\_\_ INSERT S → 41

DATE ISSUED 08/13/2013 CO SIGNATURE [Signature] 8/13/14 EXP. DATE

APPROXIMATE DEPTH OF WELL 450 FEET

APPROXIMATE DIAMETER OF WELL 6 INCH

PROPOSED LOCATION OF WELL ON LOT  
SHOW PERMANENT STRUCTURES SUCH AS BUILDINGS, SEPTIC SYSTEM, ROADS AND/OR LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCE MEASUREMENTS TO WELL

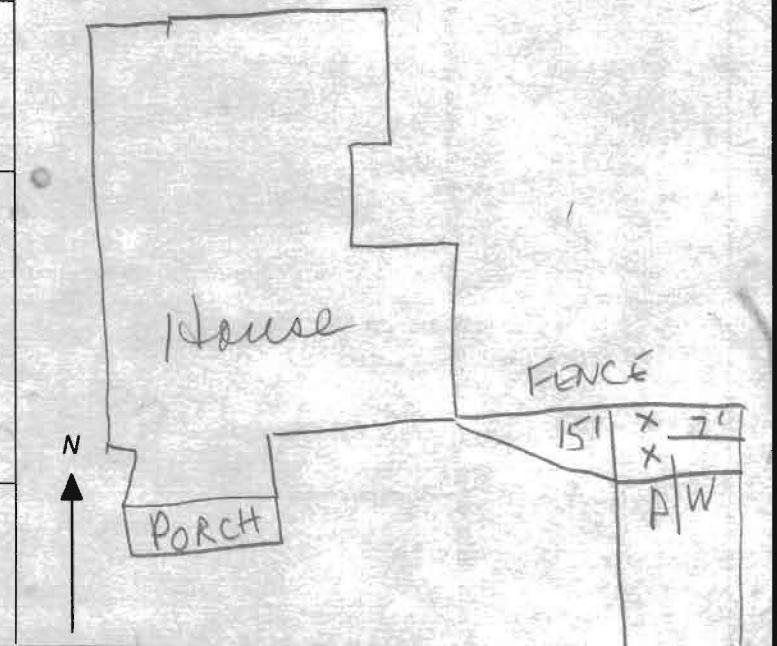
**METHOD OF DRILLING (circle one)**

BORED (or Augered) JETTED Jetted & DRIVEN

30  AIR-ROTary AIR-PERCussion ROTARY (Hydraulic Rotary)

37 CABLE REVerse-ROTary DRive-POINT

other \_\_\_\_\_



**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

39  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 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 \_\_\_\_\_ G \_\_\_\_\_

PERMIT No. Ho -95 - 2576

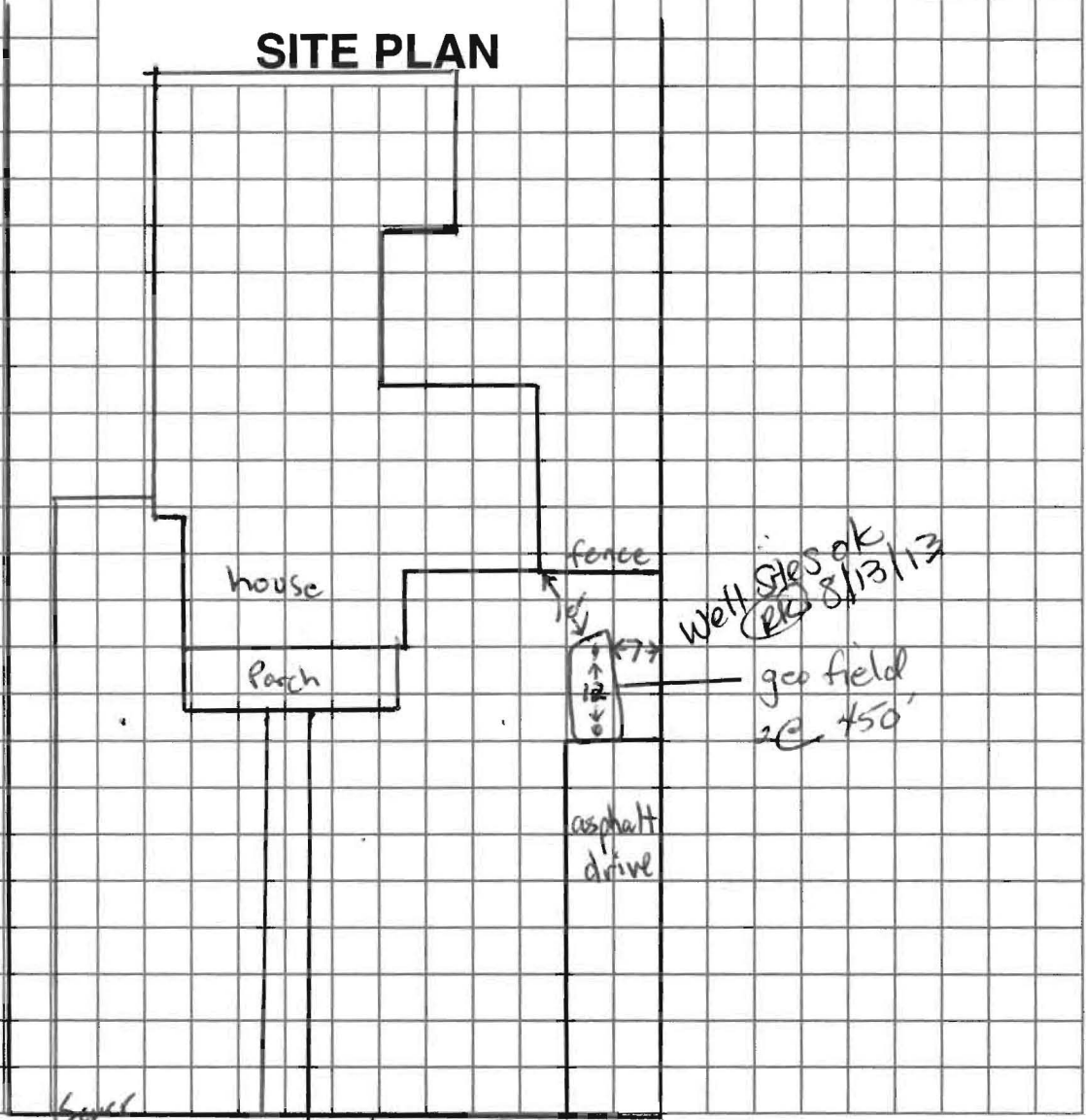
SPECIAL CONDITIONS Wells must be grouted from bottom to top.

NOTE: APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED.

Advanced



# SITE PLAN



8863 Baltimore St

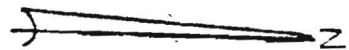
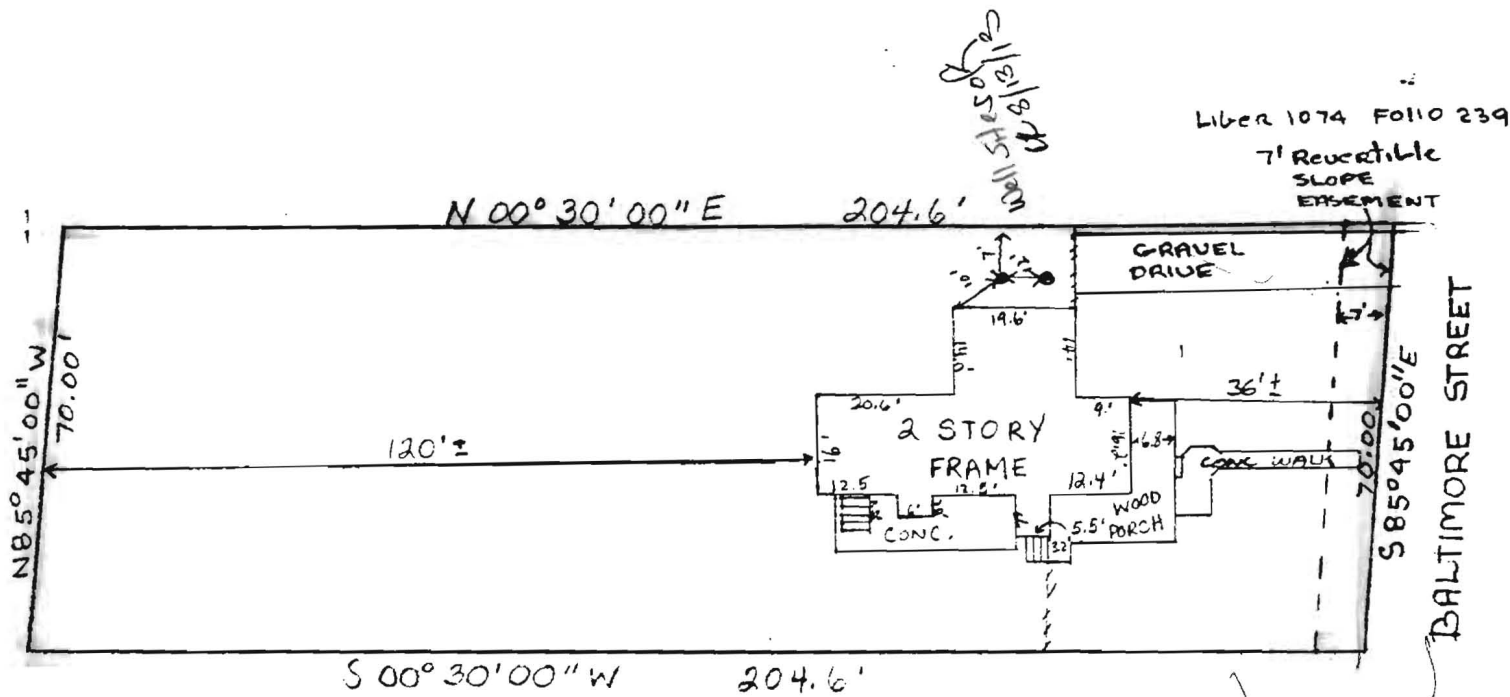
Sediment Control Protocol: silt fence, mud cans

Distance From House: 10+  
 From Septic: n/a  
 From Sewer: 50+  
 From Property Line: 7+  
 From Street: 40+

Trees Nearby: trimmed  
 Utility Issues: need marked  
 Mats Needed: to leave asphalt  
 Access For H/U: owner to remove flowers  
 Neighboring Tags: \_\_\_\_\_

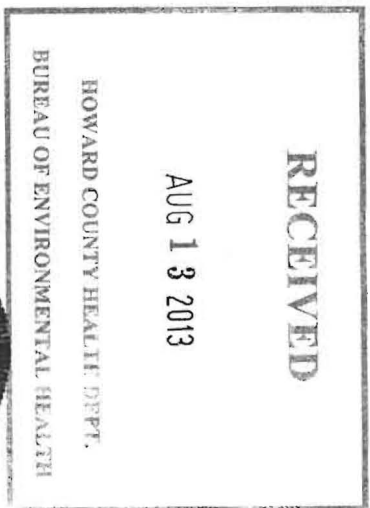
Comments: clear water can go in back - silt fence down property line

Person Completing Form: Guizzardi



THIS IS TO CERTIFY that I have surveyed the property known as 8863 Baltimore Street, which fee simple title is vested in Thomas Leo Coomes and Donna B. Coomes by virtue of a Deed dated April 25, 1977 and recorded among the Land Records of Howard County, MD in Liber 819, folio 586, for the purpose of locating the improvements thereon.

*James C. Hudgins*  
**JAMES C. HUDGINS**  
 P. L. S. # 96



LOCATION SURVEY  
 8865 BALTIMORE STREET  
 HOWARD CO., MD.  
 SCALE 1" = 30' DATE 6-19-83



WELL DRILLING

P.O. Box 129

Annapolis Junction, MD 20701

p) 301-776-8370, f) 301-776-8374

www.alliedwells.com

Howard County Health Department  
Environmental Health

Subject: Variance Letter

I, Richard Bourgin am aware that the geothermal wells to be drilled on my property at 8863 Baltimore Street, Savage, MD do not meet County set back requirements due to limited space available. I hereby authorize Allied Environmental Services, Inc. permission to obtain the necessary variances which are required to obtain a proper well permit.

Signed:   
Richard Bourgin 8/12/2013

**RECEIVED**

**AUG 13 2013**

HOWARD COUNTY HEALTH DEPT.  
BUREAU OF ENVIRONMENTAL HEALTH

GRADE

EACH BORE HOLE (TYP.)

HORIZONTAL BURY  
DEPTH 4 FT

FOR CONT.  
SEE PLANS

HORIZONTAL  
PIPING

GROUT ENTIRE ANNULAR  
SPACE AND VERTICAL  
U-TUBE WITH (BENTANITE)  
GROUT. Two pound/gallon of  
water

BORE DEPTH

TAPE

5 TO 10 FOOT SECTION OF  
REBAR TO GUIDE TUBE  
INTO BORE DURING  
INSTALLATION

DEPTH MARKINGS IN FEET TO  
INDICATE DEPTH OF INSERTION

TYPICAL VERTICAL U TUBE  
6 INCHES

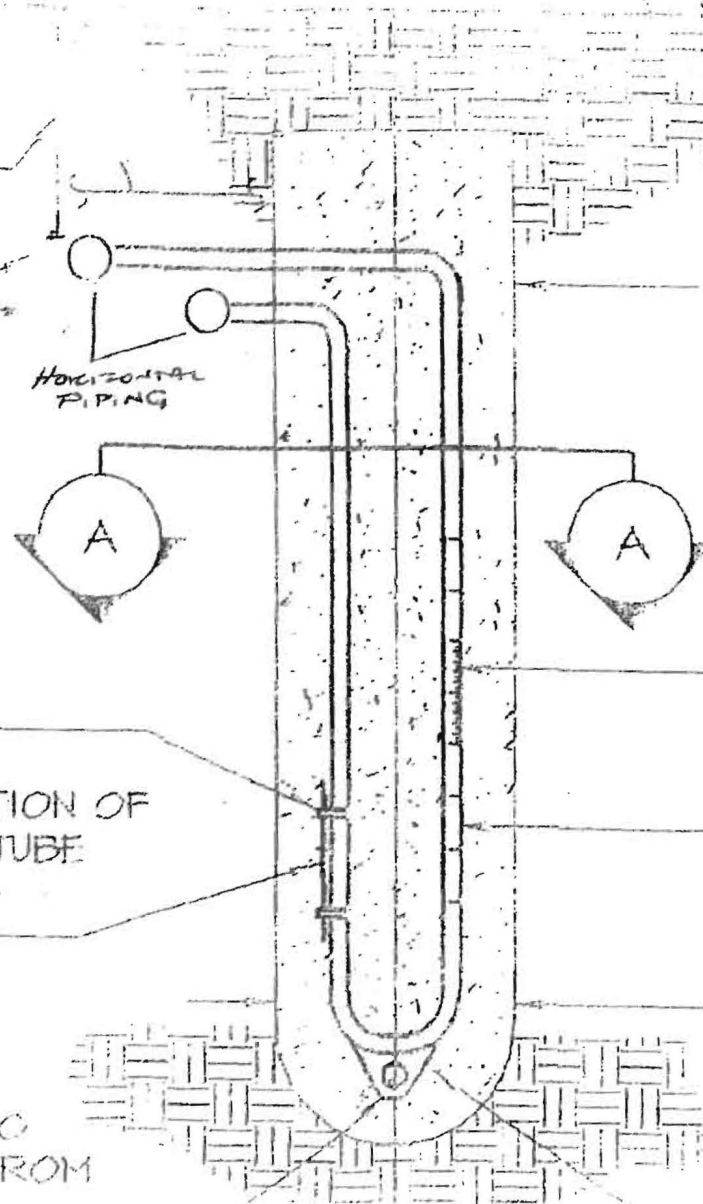
ANCHOR FITTING TO  
PREVENT U-TUBE FROM  
SURFACING AFTER  
INSTALLATION

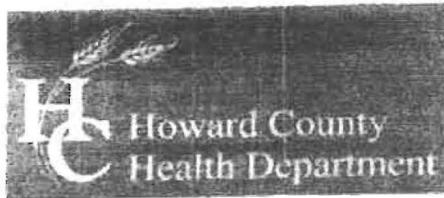
BORE DIAMETER  
6.0 INCHES

**RECEIVED**

AUG 18 2013

HOWARD COUNTY HEALTH DEPT.  
BUREAU OF ENVIRONMENTAL HEALTH





Bureau of Environmental Health  
 "178 Columbia Gateway Drive, Columbia, MD 21046-2114"  
 (410) 313-2640 Fax: (410) 313-2648  
 TDD: (410) 313-2323 Toll Free: 1-866-313-6300  
 website: www.hchealth.org

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

TO ALL INTERESTED PARTIES:

We are reviewing your permit application for a proposed well at new location. The well is located at the following address:

Well Site Location: *Beugin* *Baltimore St*  
 Subdivision/Property Name Lot# Road Name

The well site has been staked by *Allied Environmental*  
 professional land surveyors or company employing a professional land surveyor on *7/17/13* and does not require a permit.

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 meeting will be held at the location of the proposed well site. The meeting will be held at the location of the proposed well site.

Revised 3/11/05





## Rappaport, Ryan

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**From:** William Guizzardi [wguizzardi@alliedwells.com]  
**Sent:** Thursday, August 08, 2013 10:56 AM  
**To:** Rappaport, Ryan  
**Subject:** site visit

Ryon,  
The site on 8863 Baltimore Street in Savage has been reflagged to meet County setbacks. The new locations have conflict with underground utilities. Could we please meet on site to review possible alternative locations?  
Sincerely

--

Bill Guizzardi  
Service Manger  
Allied Well Drilling  
301-776-8370 (p)  
301-776-8374 (f)