

C1 0235

SEQUENCE NO. (MDE 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 COLUMNS 3-6 ON ALL CARDS)

COUNTY NUMBER 13

DATE RECEIVED

DATE WELL COMPLETED

DEPTH OF WELL

PERMIT NO. FROM "PERMIT TO DRILL WELL"

OWNER: Horizon Builders, STREET OR RFD: ROUTE 97, TOWN: Glenwood, SUBDIVISION: Reilly Property, SECTION: LOT caretaker dug

WELL LOG table with columns: DESCRIPTION, FEET (FROM, TO), check if water bearing. Includes entries for soil, clay, shale, slate, sandstone, and gray slate.

GROUTING RECORD: WELL HAS BEEN GROUTED (Y), TYPE OF GROUTING MATERIAL: CEMENT (CM), BENTONITE CLAY (BC), NO. OF BAGS: 17, NO. OF POUNDS: 7700, GALLONS OF WATER: 102, DEPTH OF GROUT SEAL: 36 ft.

CASING RECORD: MAIN CASING TYPE: ST (STEEL), Nominal diameter: 6 inch, Total depth: 40 ft.

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

SCREEN RECORD: screen type or open hole: ST (STEEL), BR (BRASS), HO (OPEN HOLE), PL (PLASTIC), OT (OTHER).

NUMBER OF UNSUCCESSFUL WELLS: 0, WELL HYDROFRACTURED: Y (YES), N (NO)

CIRCLE APPROPRIATE LETTER: A (WELL ABANDONED AND SEALED), 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 LIC. NO.: MWD 040, DRILLERS SIGNATURE: [Signature], LIC. NO.: MWD 502, SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

DEPTH (nearest ft.) table with columns for casing height and depth. Includes handwritten values: 38, 500.

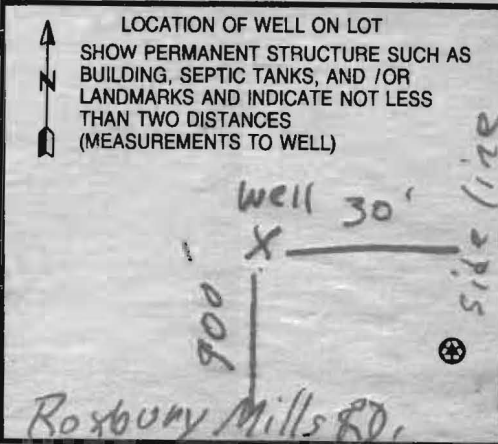
GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68

MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER): T (E.R.O.S.), W Q

TELESCOPE CASING, LOG INDICATOR, OTHER DATA

PUMPING TEST: HOURS PUMPED (nearest hour): 3, PUMPING RATE (gal. per min.): 15, METHOD USED TO MEASURE PUMPING RATE: Bucket, WATER LEVEL (distance from land surface): BEFORE PUMPING 34 ft., WHEN PUMPING 50 ft., TYPE OF PUMP USED (for test): S (submersible)

PUMP INSTALLED: DRILLER INSTALLED PUMP (CIRCLE) (YES OR NO), IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS, TYPE OF PUMP INSTALLED: S (submersible), 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 (nearest foot): 2



SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND PERMIT TO DRILL WELL please print or type

STATE PERMIT NUMBER

10-94-2917 fill in this form completely

Date Received (APA)

12/21/01

OWNER INFORMATION

8459

Horizon Builders, Inc. 2131 Espey Court Suite 3 Crofton, Md 21114

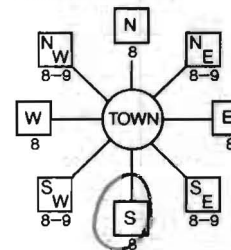
LOCATION OF WELL

Howard Huber Estate Guest House caretaker Glenwood

DRILLER INFORMATION

George F. Easterday MWD 040 L. Franklin Easterday, Inc. 9265 Brown Church Rd., MT. Airy, Md. 21771

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



Roxbury Mills Rd (4078)

NEAR WHAT ROAD 30 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) NORTH SOUTH WEST EAST DISTANCE FROM ROAD 900 FT

WELL INFORMATION

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

USE FOR WATER (CIRCLE APPROPRIATE BOX)

- DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION (circled) 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 COUNTY NAME COUNTY NO. STATE SIGNATURE DATE ISSUED 01/09/01 DONNA CLARK 01/08/02

APPROXIMATE DEPTH OF WELL 300 FEET

APPROXIMATE DIAMETER OF WELL 6 INCH NEAREST

METHOD OF DRILLING (circle one)

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

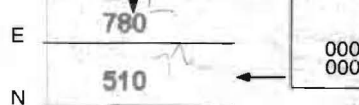
REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)

- THIS WELL WILL NOT REPLACE AN EXISTING WELL (circled) 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 DEEPEM AN EXISTING WELL

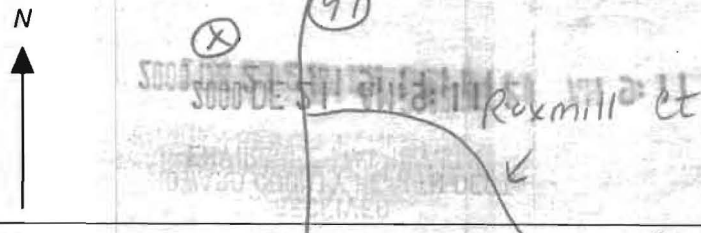
SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

SOURCES OF DRILLING WATER wells

WRITE THE BOX NUMBER FROM THE MAP HERE



DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION 8 J 10



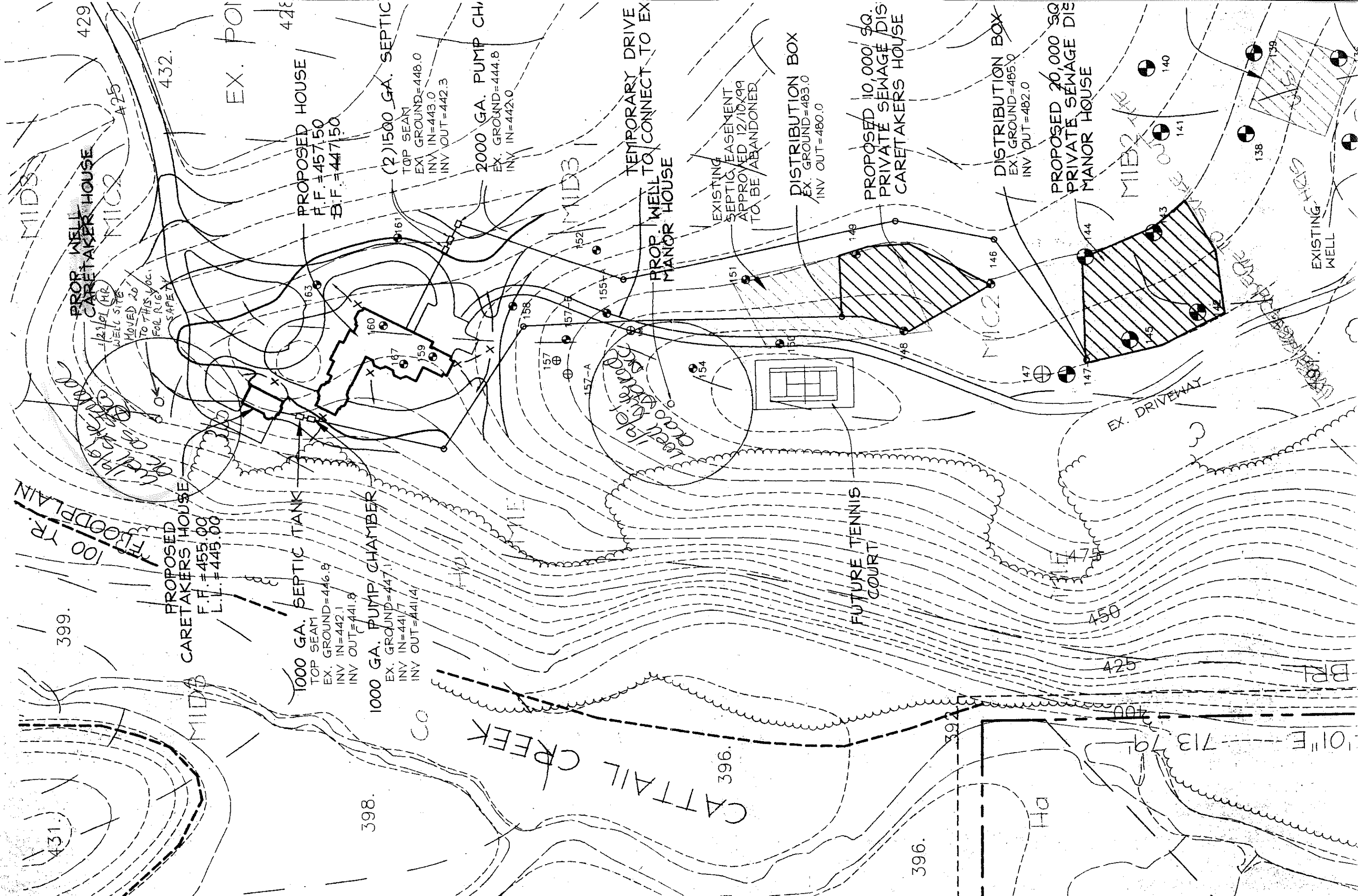
Not to be filled in by driller (MDE OR COUNTY USE ONLY)

APPROX. PERMIT NUMBER 54 G A P 63 PERMIT No. 10-94-2917

SPECIAL CONDITIONS

NOTE - APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED





100 YR. FLOODPLAIN

PROPOSED CARETAKERS HOUSE  
F.F. = 455.00  
L.L. = 445.00

1000 GA. SEPTIC TANK  
TOP SEAM  
EX. GROUND = 446.8  
INV. IN = 442.1  
INV. OUT = 441.8

1000 GA. PUMP CHAMBER  
EX. GROUND = 447.1  
INV. IN = 441.7  
INV. OUT = 441.4

PROPOSED HOUSE  
F.F. = 457.50  
B.F. = 447.50

(2) 1500 GA. SEPTIC  
TOP SEAM  
EX. GROUND = 448.0  
INV. IN = 443.0  
INV. OUT = 442.3

2000 GA. PUMP CH.  
EX. GROUND = 444.8  
INV. IN = 442.0

TEMPORARY DRIVE  
PROP. WELL TO CONNECT TO EX  
MANOR HOUSE

EXISTING SEPTIC EASEMENT  
APPROVED 12/18/99  
TO BE ABANDONED

DISTRIBUTION BOX  
EX. GROUND = 483.0  
INV. OUT = 480.0

PROPOSED 10,000 SQ.  
PRIVATE SEWAGE DIS  
CARETAKERS HOUSE

DISTRIBUTION BOX  
EX. GROUND = 495.0  
INV. OUT = 482.0

PROPOSED 20,000 SQ.  
PRIVATE SEWAGE DIS  
MANOR HOUSE

FUTURE TENNIS COURT

CATTAIL CREEK

EX. DRIVEWAY

EXISTING WELL

431.

399.

429

432.

EX. POI

428

398.

396.

396.

394

Ha

425

400

713

701

140

141

138

139

MID3

MID3

MIC2

MIB2

PROP WELL CARETAKER HOUSE

A25

MIC2

12/18/99  
WELL SITE  
MOVED TO  
THIS LOC.  
FOR RIG. SAFETY

Well 1100  
Grano  
157-A  
157-B  
158  
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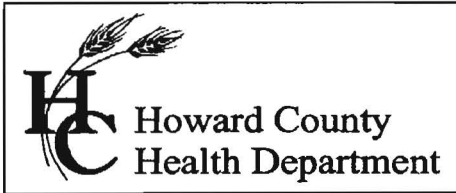
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Bureau of Environmental Health  
7178 Gateway Drive Columbia, MD 21046  
(410) 313-2640 Fax (410) 313-2648  
TDD (410) 313-2323 Toll Free 1-866-313-6300  
website: www.hchealth.org

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

March 14, 2008

Cattail Meadows, LLC  
P.O. Box 274  
Columbia, MD 21738

RE: 15325 Leodina Dr. (AKA-Roxbury Rd)  
Glenwood, MD 21738  
Map 21, Grid 14, Parcel13  
BP #: B00127242  
Well Permit # HO-~~95~~-3586(main house)  
HO-~~95~~-2917(back-up)  
HO-~~95~~-3441(irrigation)

Dear Sir:

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 3/1/2004. Final approval of the well line connection to the dwelling was approved on 5/14/2004.**

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-~~95~~-3586. 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 Samples: 5/14/04 & 3/7/08  
Date of Well Completion: 9/1/02, 2/1/01 & 9/1/02

Approving Authority,

Stuart F. Oster, R. S.  
Well & Septic Program

cc: Building Inspector's Office  
Community Health Services  
File

Gary Deptula 443-336-0869

# Environmental Testing Lab Inc.

108 Old Solomons Island Rd  
Annapolis, MD 21401



3430 Rockefeller Ct  
Waldorf, MD 20602

State Certified Water Quality  
Laboratory: # 106

State Certified Water Quality  
Laboratory: # 139

## REPORT OF ANALYSIS

Mid Atlantic Water Services  
14 Hudson Street  
Annapolis, MD 21401

Lab Number: 76089  
Date Received: 3/7/08 16:27  
Project:

Sample No: 76089-01  
Client ID: 15325 Leondina Drive  
Glenwood, MD 21738

Sampled: 3/7/2008 10:00:00 AM  
Sampler: 6234PC Corridor

HO-94-3441

Sample Point: Irrigation

Parameter	Method	Result	Units	MDL	Test Date	Analyst
Bacteria-Total Coliform	SM 9223	Present/FAIL	Per/100ml	1	3/7/2008	DB
Bacteria-E.coli	SM 9223	Absent/PASS	Per/100ml	1	3/7/2008	DB
pH	field	7.0			3/7/2008	
Chlorine, Total	field	0	mg/l		3/7/2008	

Sample No: 76089-02  
Client ID: 15325 Leondina Drive  
Glenwood, MD 21738

Sampled: 3/7/2008 10:00:00 AM  
Sampler: 6234PC Corridor

HO-94-3586

Sample Point: Main House (# 4)

Parameter	Method	Result	Units	MDL	Test Date	Analyst
Bacteria-Total Coliform	SM 9223	Absent/PASS	Per/100ml	1	3/7/2008	DB
Bacteria-E.coli	SM 9223	Absent/PASS	Per/100ml	1	3/7/2008	DB
pH	field	7.0			3/7/2008	
Chlorine, Total	field	0	mg/l		3/7/2008	

Sample No: 76089-03  
Client ID: 15325 Leondina Drive  
Glenwood, MD 21738

Sampled: 3/7/2008 10:00:00 AM  
Sampler: 6234PC Corridor

HO-94-3917

Sample Point: House (Back-Up)  
#2

Parameter	Method	Result	Units	MDL	Test Date	Analyst
Bacteria-Total Coliform	SM 9223	Absent/PASS	Per/100ml	1	3/7/2008	DB
Bacteria-E.coli	SM 9223	Absent/PASS	Per/100ml	1	3/7/2008	DB
pH	field	7.0			3/7/2008	
Chlorine, Total	field	0	mg/l		3/7/2008	

Annapolis

Waldorf

Ph 410-224-4304 Fax 410-224-4307

Ph 301-932-4775 Fax 301-932-7347

# Environmental Testing Lab Inc.

108 Old Solomons Island Rd  
Annapolis, MD 21401



3430 Rockefeller Ct  
Waldorf, MD 20602

*State Certified Water Quality  
Laboratory # 106*

*State Certified Water Quality  
Laboratory # 139*

## REPORT OF ANALYSIS

Lab Number: 76089  
Date Received: 3/7/08 16:27

Reviewed and Approved by:

A handwritten signature in black ink, appearing to read 'D. Brunsted', written over a horizontal line.

Daniel J. Brunsted  
Laboratory Director

# CHESAPEAKE

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## GEOSYSTEMS, INC.

6720 Ft. Smallwood Road  
Baltimore, MD 21228

410/789-5020  
800-252-4007  
410/789-5029 FAX  
August 28, 2002

Horizon Builders  
2131 Espy Court, Suite 3  
Crofton, MD 21114

Attention: Al Hato

Re: Huber Residence

Dear Mr. Hato,

Submitted here are the results of the pump tests performed at the Huber Residence in Howard County MD.

New Well No. 1

Static Water Level - 39.0/ft  
Pumping Water Level - 44.0/ft  
Pumping Rate - 37gpm

*HD-94-3441*

New Well No. 2

Static Water Level - 32.0/ft  
Pumping Water Level - 36.0/ft  
Pumping Rate - 27gpm

*HD-94-3586*

Existing Well No. MO942917

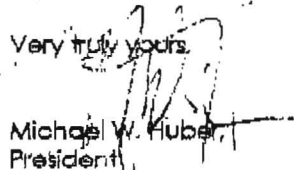
Static Water - 39.0/ft  
Pumping Water Level - 47.0/ft  
Pumping Rate - 25gpm

Existing Well No. MO942916

Static Water Level - 69.0/ft  
Pumping Water Level - 33.0/ft  
Pumping Rate - 25gpm

If you have any questions or need additional information please feel free to contact me.

Very truly yours,

  
Michael W. Huber  
President







# Environmental Testing Lab, Inc.

108 Old Solomons Island Road  
Unit L-2  
Annapolis, MD 21401

410-224-4304  
800-222-4633  
Fax 410-224-4307

## REPORT OF ANALYSIS

May 18, 2004

Mid Atlantic Plumbing  
1752 McQueckian Street  
Annapolis, MD 21401

Lab Number: 48873  
Date Received: 5/14/04 16:32  
Project:

*What Tag #?*

Sample No: 48873-01      Sampled: 5/14/2004  
Client ID: 4078 Roxbury Mills Rd.      Sampler: 5653SS  
Glenwood, Md 21738

Parameter	Method	Result	Units	MDL	Test Date	Analyst
Total Coliform Bacteria	SM 9223 B	Absent/Pass	Per/100ml	1	5/14/2004	DB
Fecal Coliform Bacteria	SM 9223 B	Absent/Pass	Per/100ml	1	5/14/2004	DB
pH	Field	* 6.2	pH Units		5/14/2004	
Iron	EPA 236.1	< 0.05	mg/l	0.05	5/17/2004	KE
Turbidity	EPA 180.1	< 0.5	NTU	0.5	5/17/2004	KE
Nitrate + Nitrite as N	EPA 353.2	4.15	mg/l	0.05	5/17/2004	PM

**Notes:**

- 48873-01 -No chlorine was present at the time of collection as reported by the sample collector. PH results provided by sample collector.
- The Maximum Contaminant Levels are as follows: Nitrate/Nitrite 10.0, Nitrite 1.0, Nitrate 10.0, Iron 0.3, Turbidity 10.0, and PH 6.5-8.5.
- An "\*" next to a result means the result exceeded the Maximum Contaminant Level as established by the EPA.
- "<" = Less Than ; ">" = Greater Than.
- Lead & Nitrate/Nitrite are "Primary Contaminates"; Health related, enforceable.
- Iron, pH, Turbidity are "Secondary Contaminates" Non-Health related, non-enforceable.

Reviewed and Approved by:

*[Signature]*  
Daniel J. Brunsted  
Laboratory Director

