

B 1 1483

SEQUENCE NO. (MDE USE ONLY)

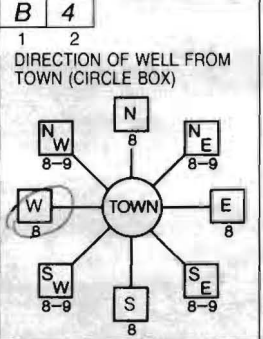
STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL 523944 please type

STATE PERMIT NUMBER HO-95-0234 fill in this form completely

OWNER INFORMATION Date Received (APA) 01 20 06, Last Name: Horton, Owner: R. D., Street or RFD: 1370 Picard Drive, Town: Rockville, State: Md, Zip: 20850

LOCATION OF WELL COUNTY: Howard, SUBDIVISION: Turnbury Grove, SECTION: 44, LOT: A 12, NEAREST TOWN: Clarksville, MILES FROM TOWN: 1/2

DRILLER INFORMATION Driller's Name: Joseph E. Mayne, License No.: M S D 024, Firm Name: Joseph E. Mayne Well Drilling, Address: 5512 Ridge Rd Mt Airy Md 21771, Signature: Joseph E. Mayne, Date: 1-6-06



DIRECTION OF WELL FROM TOWN (CIRCLE BOX): NE, NEAR WHAT ROAD: Greenwood Ct., ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX): WEST, DISTANCE FROM ROAD: 25 FT, TAX MAP: 34 BLK: PARCEL 77

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

USE FOR WATER (CIRCLE APPROPRIATE BOX) D DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION

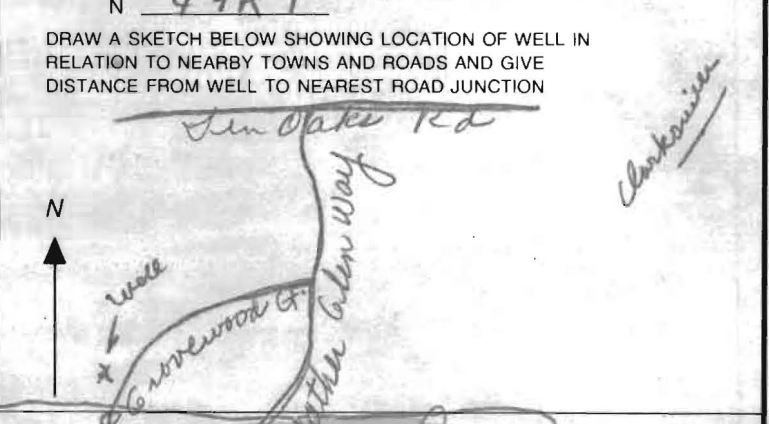
NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL COUNTY NAME: HOWARD, COUNTY NO.: 13, STATE SIGNATURE: A516063, DATE ISSUED: 2/8/06, CO SIGNATURE: [Signature], EXP. DATE: 2/9/07, NORTH GRID: 497, EAST GRID: 814

APPROXIMATE DEPTH OF WELL: 300 FEET, APPROXIMATE DIAMETER OF WELL: 6 INCH, NEAREST TOWN: Clarksville

SOURCES OF DRILLING WATER: 1. well, 2. yield & ground, 3. Radium & VOC not sampled

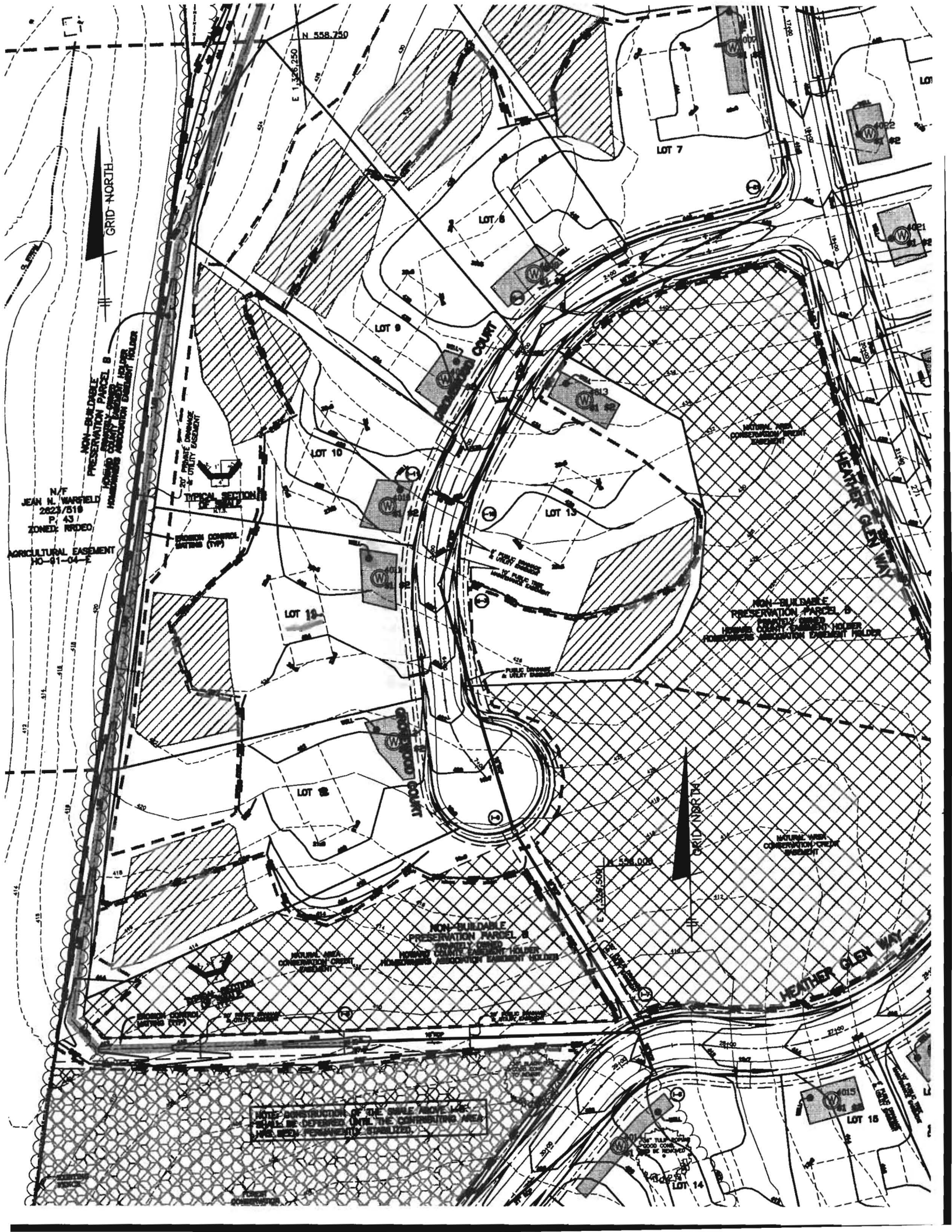
METHOD OF DRILLING (circle one) AIR-ROTary, AIR-PERcussion, ROTARY (Hydraulic Rotary), CABLE, REVerse-ROTary, Drive-POINT

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



Not to be filled in by driller (MDE OR COUNTY USE ONLY) APPROP. PERMIT NUMBER: HO2006G003(01), PERMIT No.: HO-95-0234

SPECIAL CONDITIONS: This well must be tested for Radium & V.O.C. @ yield test



GRID-NORTH

NON-BUILDABLE PRESERVATION PARCEL B
 JOHNSON COUNTY BOARD OF HEALTH
 HOURS: MONDAY THROUGH FRIDAY 8:00 AM - 5:00 PM

N/F
 JEAN N. WARFIELD
 2623/516
 P. 43
 ZONED: RFD02

AGRICULTURAL EASEMENT
 HO-41-04-E

TO PRIVATE SERVICE & UTILITY EASEMENT

TYPICAL SECTION OF DRIVE

BRUSH CONTROL (SEE PLAN)

LOT 7

LOT 8

LOT 9

LOT 10

LOT 11

LOT 12

LOT 13

LOT 14

LOT 15

UNIMPROVED COUNTY ROAD

HETTER CEM. WY.

NATURAL AREA CONSERVATION EASEMENT

NON-BUILDABLE PRESERVATION PARCEL B
 JOHNSON COUNTY BOARD OF HEALTH
 HOURS: MONDAY THROUGH FRIDAY 8:00 AM - 5:00 PM

PUBLIC SERVICE & UTILITY EASEMENT

GRID-NORTH

NOTE: CONSTRUCTION OF THE SWALE ALONG THE... SHALL BE DEFERRED UNTIL THE CORRESPONDING AREA HAS BEEN PERMANENTLY STABILIZED.

LOT 7

LOT 8

LOT 9

LOT 10

LOT 11

LOT 12

LOT 13

LOT 14

LOT 15

UNIMPROVED COUNTY ROAD

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GRID-NORTH

NOTE: CONSTRUCTION OF THE SWALE ALONG THE... SHALL BE DEFERRED UNTIL THE CORRESPONDING AREA HAS BEEN PERMANENTLY STABILIZED.



Howard County
Health Department

3525 H Ellicott Mills Drive, Ellicott City, MD 21043
(410) 313-2640 Fax (410) 313-2648
TDD (410) 313-2323 Toll Free 1-866-313-6300
website: www.hchealth.org

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

TO ALL INTERESTED PARTIES

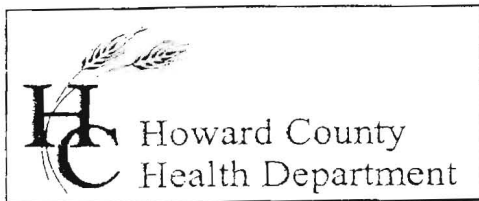
When submitting a well permit application for a proposed well for new construction, please indicate one of the following:

- The well site has been staked by Benchmark Engineering
(professional land surveyor or company employing professional land surveyors)
on 12-14-05 (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 6/10/03

33 lots for D. R. Horton
Lurnbury Grove



Bureau of Environmental Health
7178 Columbia 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

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

November 21, 2005

RE:

To Whom It May Concern:

Previous findings from a pilot study conducted by Maryland Geological Survey and Maryland Department of the Environment (MDE) have found elevated levels of naturally occurring radioactive elements in groundwater from and underground rock formation, the Baltimore Gneiss. As a result of this study, we have verified that your subdivision is located within the Baltimore Gneiss testing area. We are in the process of notifying existing properties of this study, plus developers building developments within this formation.

All wells within this area are being sampled for Gross Alpha and Gross Beta particles. These particles measure the alpha and beta activity in a water supply. In turn, this can provide information regarding naturally occurring radiation (i.e. Radionuclides) that may exist in your water supply. These particles are measured in picocuries per liter (pCi/L) and several have EPA established maximum contaminant levels (MCL's). The standards define the maximum permissible level of a contaminant legally allowed in water taking into account the public health risk, available treatment technology and costs of treatment.

From this point forward, we will require that all new subdivisions and properties within this formation to be tested during yield tests or prior to issuance of the Intern Certificate of Potability (ICOP). In the event that elevated levels are detected, appropriate treatment will be needed to help secure the ICOP and occupancy by the resident(s).

Please call this office at (410) 313-1773 if you have any further questions or concerns.

Sincerely,

Bert Nixon, Assistant Director
Bureau of Environmental Health

Eric Dougherty, MDE, Water Mgmt., Groundwater



Howard County
Health Department

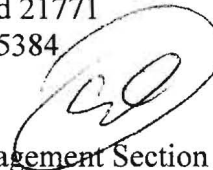
7178 Columbia Gateway Drive, Columbia MD 21046
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website: www.hchealth.org

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

February 8, 2006

MEMORANDUM

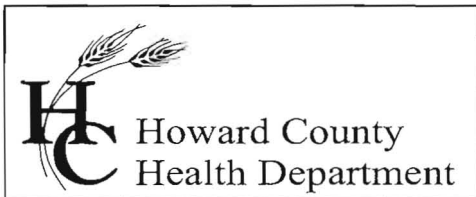
TO: Joseph L. Mayne Well Drilling
5512 Ridge Road
Mt. Airy, Maryland 21771
Faxed to 301-829-5384

FROM: Stuart Oster, R.S. 
Groundwater Management Section Supervisor
Well and Septic Program

RE: File Number: P-05-013
Title: Turnbery Grove

The Health Department requires that all the wells in this subdivision be tested for radium and V.O.C.'s (Volatile Organic Contaminants). The optimum time to sample would be when the yield test is being completed. When contacting this office about the yield test, please mention that these water test need to be collected. Also, attached is a letter dated November 21, 2005 from Bert Nixon further explaining the radium testing.

Cc: D. R. Horton, Inc.
File



Howard County
Health Department

Bureau of Environmental Health
7178 Columbia Gateway Drive, Columbia, MD 21046
(410) 313-2640 Fax (410) 313-2648
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website: www.hchealth.org

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

July 12, 2006

D. R. Horton, Inc.
1370 Picardi Drive
Rockville, Maryland 20850

RE: Water Sample Results
Lot ~~11~~ Turnbury Grove
HO - 95 - 0234

12

To Whom this May Concern:

During the March 13, 2006 "yield test" of the well serving the future Lot ~~11~~ 12 (located on Grovewood Court), samples for volatile organic compounds (VOC's) and Gross Alpha and Gross Beta were **not** collected.

As a reminder, sampling for these parameters (as well as for standard potability tests) will be required to secure Use and Occupancy (U&O) clearance from our office. Moreover, should any of these tests result in findings that exceed corresponding maximum contaminant levels (MCL's), then appropriate follow-up testing and/or installation of proper treatment will be necessary prior to obtaining the U&O.

If questions should arise, you may contact Stuart Oster of the Well & Septic Program at (410) 313 - 1771 or me at (410) 313 - 1773.

Sincerely,

Bert Nixon, Assistant Director
Bureau of Environmental Health

cc: Lot 11 Turnbury Grove Property File

Home owners → 410 236-4520

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 Code~~ (as amended locally) and COMAR 26.04.04 (MD Well Code) as required prior to Use and Occupancy approval.

Construct R & G Water Systems, Inc.
Company 1 4322 Opals Choice Drive
Ad Manchester, MD 21102

Telephone #: 410-239-0700

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

License # and name of individual responsible for the field installation:

Name (Print): Rickey L. Roos, Sr. License # PF0141

*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: DALE THOMPSON BLVD. Telephone #:

Subdivision: PRESERVE AT CLARKSVILLE Lot #: 12 Well Tag #: EO-95-0234

Site Address: 12618 GROVEWOOD COURT
CLARKSVILLE 21029

Submersible Pump Data

Make: GRUNDY
Model #: _____
Pump Capacity _____ GPM
Well Yield: _____ GPM

Pitless Adapter

Make: HARVEY
Model #: PT-800
Depth: 41 (36" min)
NSF approved:

Well Cap and Electric Conduit

Two piece watertight cap:
Screened, vented well cap:
Cap secured to casing:
Conduit min 18" B.G.:
Conduit secured to well cap:

Depth of well encountered at time of pump installation: _____ (feet)
If pump capacity exceeds well yield, a low water cut off switch is required by NSPC 1990 Section 17.8.4

~~Jump 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

Type: POLYETHYLENE
PSI: 760 (160 psi min)
Depth of supply line: 41 (36" min)

House Connection

PVC sleeved to undisturbed soil at wall penetration:
Approximate length of sleeve: 10'
Sleeve caulked and sealed properly: PERNCO

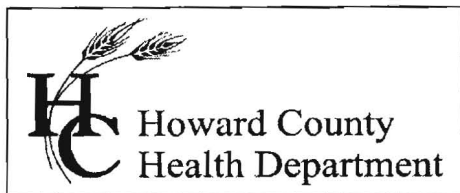
The water supply line is required to be at least ten feet from the septic tank, pump chamber, sewage piping, distribution box, drainfields, and sewage reserve area. If this cannot be accomplished, contact this office for approval prior to installation.

Rickey L. Roos, Sr.
Signature of company representative responsible for installation

7/29/08
date

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

Date Insp. Requested: _____ Date Insp. Approved: (RW) 7/30/08
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 5" above finished grade _____
Water supply line sleeved adequately at house connection _____
Adequate grout observed below pitless adapter _____



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

June 23, 2009

Homeowner
12618 Grovewood Court
Clarksville, MD 21029

RE: Preserve at Clarksville, Lot 12
BP #: B08000029
Well Permit # HO-95-0234

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 10/14/2008. Final approval of the well line connection to the dwelling was approved on 07/30/2008.**

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.

Also, a Gross Alpha and Beta sample was collected on 06/16/2009. Both findings were below the maximum limit suggested by the EPA. At the time of the testing and with respect to these parameters, the future well water supply appears safe for all uses. No additional testing for these parameters will be required to secure the future Use and Occupancy.

In addition to these tests, Volatile Compounds were sampled, but none were detected.

INTERIM CERTIFICATE OF POTABILITY

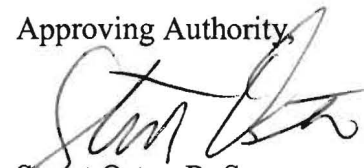
This certifies that the initial sampling requirements of COMAR 26.04.04 "Well Regulations" have been met for the water supply system installed under well permit #HO-95-0234. Although the submitted sample results are in compliance with COMAR standards, the Health Department does not guarantee water supplies. 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.

Please note: At this time the pool house has not been completed. Additional inspection(s) are required.

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: 06/05/2009 (Standard Tests including Bacteria/Coliform)
Date of Water Samples: 06/16/2009 (Gross Alpha & Gross Beta)
Date of Water Samples: 06/16/2009 (Volatile Compounds)
Date of Well Completion: 03/13/2006

Approving Authority,



Stuart Oster, R. S.
Well & Septic Program

cc: Building Inspector's Office
Community Health Services
File



TRACE LABORATORIES, INC
 A Methode Electronics, Inc. Company
 5 North Park Drive
 Hunt Valley, MD 21030 USA
 Telephone: 410/584-9099 / Fax: 410/584-9117
 Website: www.tracelabs.com / Email: info@tracelabs.com

Maryland State Certified Laboratory # 318

CERTIFICATE OF ANALYSIS

Requester:
 Saslow Homes
 Attn: Jeff Ridgely
 7241 Norris Avenue
 Sykesville, Maryland 21784

S/O Number: 72829
Report Date: June 8, 2009

Property Sampled: 12618 Grove Wood Court

County: Howard

Subdivision: The Preserve At Clarksville

Lot #: 12 *or Turnbury Drive*

Building Permit #: B08003294

Tax Map #: 34

Parcel #: 77

Date/Time Collected: June 5, 2009 at 10:20 am

Date/Time Received: June 5, 2009 at 2:20 pm

Sample Location: Powder Room Tap

Sampler ID: 5745KC

Samples Iced: Yes

Residual Cl₂ <0.1 mg/L: Yes

Well Tag Number: HO-95-0234

Well Condition: 2-Piece Cap
 Satisfactory

Water Conditioning/Treatment: None

PARAMETER	RESULT	METHOD	MCL/*SMCL	
Nitrate	<1.0 mg/L as N	SM 4500D	10 mg/L as N	Pass
Turbidity	<1.0 NTU	EPA 180.1	10 NTU	Pass
pH	6.7 Units	EPA 150.1	*6.5-8.5 Units	***
Sand	Negative		Negative	
Total Coliform	Absent	SM 9223B	Absent	Pass
E.coli	Absent	SM 9223B	Absent	Pass

Allison R. Milburn
 Allison R. Milburn
 Manager-Drinking Water Testing

MCL=Maximum Contamination Level

*SMCL=Secondary Maximum Contamination Level

*** A non-enforceable parameter that may cause cosmetic effects or aesthetic effects (such as taste, color or odor) in drinking water.



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 Hunt Valley, MD 21030 USA
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 Website: www.tracelabs.com / Email: info@tracelabs.com

Maryland State Certified Laboratory # 318

CERTIFICATE OF ANALYSIS

Requester:
 Saslow Homes
 Attn: Jeff Ridgely
 7241 Norris Avenue
 Sykesville, Maryland 21784

S/O Number: 72955
Report Date: June 19, 2009

Property Sampled: 12618 Grove Wood Court, Radium

County: Howard
Subdivision: The Preserve At Clarksville
Lot #: 12
Building Permit #: B08003294

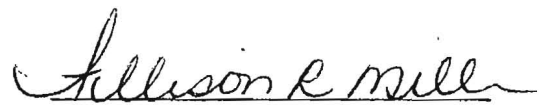
Tax Map #: 34
Parcel #: 77

Date/Time Collected: June 16, 2009 at 11:40 am
Date/Time Received: June 16, 2009 at 3:35 pm

Sample Location: Powder Room Tap
Sampler ID: 9813AM
Samples Iced: Yes
Residual Cl₂ <0.1 mg/L: Yes

Well Tag Number: HO-95-0234
Well Condition: 2-Piece Cap
 Satisfactory
Water Conditioning/Treatment: None

PARAMETER	RESULT	METHOD	DETECTION LIMIT	
Gross Alpha	12.7 +/- 1.4 pCi/L	EPA 900.0	0.9 pCi/L	Moderate
Gross Beta	11.9 +/- 1.1 pCi/L	EPA 900.0	1.3 pCi/L	Pass


 Allison R. Milburn
 Manager-Drinking Water Testing

JUN. 19. 2009 10:53AM

NO. 804 P. 2



Florida Radiochemistry Services, Inc.

Contact: Michael J. Naumann

5456 Hoffner Ave., Suite 201 Orlando, FL 32812

Phone: (407) 382-7733 Fax: (407)382-7744

Certification I. D. # 278

Lab Sample I.D.: 0906150-02

Client Sample I.D. 72955 (12618 Grovewood)

Sample Date / Time: 06/16/09 15:45

Results:

Gross Alpha:	12.7	Gross Beta:	11.9
Error +/-:	1.4	Error +/-:	1.1
MDL:	0.9	MDL:	1.3
EPA Method:	900.0	EPA Method:	900.0
Prep Date:	06/17/09	Prep Date:	06/17/09
Analysis Date:	06/18/09	Analysis Date:	06/18/09
Analyst:	MJN	Analyst:	MJN
Units	pCi/l	Units	pCi/l

**TRACE LABORATORIES, INC**

5 North Park Drive

Hunt Valley, MD 21030 USA

Telephone: 410/584-9099 / Fax: 410/584-9117

Website: www.tracelabs.com / Email: info@tracelabs.com

Volatile Organic Compounds via EPA 524.2 (GC/MS)

Sample Location: 12618 Grovewood Court

Collection Date/Time: 6-16-09 at 11:40 am

Residual Chlorine: <0.1 mg/L

VOLATILE COMPOUNDS	SAMPLE CONCENTRATION (ppb or ug/L)	REPORTING LIMIT (ppb or ug/L)
tert-Amyl Alcohol (TAA)	ND	10
tert-Amyl Methyl Ether (TAME)	ND	0.5
Benzene	ND	0.5
Bromobenzene	ND	0.5
Bromochloromethane	ND	0.5
Bromodichloromethane	ND	0.5
Bromoform	ND	0.5
Bromomethane	ND	0.5
tert-Butanol (TBA)	ND	10
n-Butylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
tert-Butylbenzene	ND	0.5
Carbon Tetrachloride	ND	0.5
Chlorobenzene	ND	0.5
Chloroethane	ND	0.5
Chloroform	ND	0.5
Chloromethane	ND	0.5
2- & 4-Chlorotoluene	ND	0.5
1,2 -Dibromo-3-chloropropane	ND	0.5
Dibromochloromethane	ND	0.5
1,2-Dibromoethane (EDB)	ND	0.5
Dibromomethane	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
Dichlorodifluoromethane	ND	0.5
1,1-Dichloroethane	ND	0.5
1,2-Dichloroethane	ND	0.5
1,1-Dichloroethene	ND	0.5
cis-1,2-Dichloroethene	ND	0.5

Analysis completed by laboratory #153. Analysis Date: June 17, 2009

ND: None Detect



TRACE LABORATORIES, INC

5 North Park Drive

Hunt Valley, MD 21030 USA

Telephone: 410/584-9099 / Fax: 410/584-9117

Website: www.tracelabs.com / Email: info@tracelabs.com

Sample Location: 12618 Grovewood Court

Collection Date/Time: 6-16-09 at 11:40 am

Residual Chlorine: <0.1 mg/L

PEAK IDENTIFICATION	SAMPLE CONCENTRATION (ppb or ug/L)	REPORTING LIMIT (ppb or ug/L)
trans-1,2-Dichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
1,3-Dichloropropane	ND	0.5
2,2-Dichloropropane	ND	0.5
1,1-Dichloropropene	ND	0.5
cis-1,3-Dichloropropene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
Diisopropyl Ether (DIPE)	ND	0.5
Ethyl-t-Butyl Ether (ETBE)	ND	0.5
Ethylbenzene	ND	0.5
Hexachlorobutadiene	ND	0.5
Isopropylbenzene	ND	0.5
p-Isopropyl toluene	ND	0.5
Methyl-t-Butyl Ether (MTBE)	ND	0.5
Methylene Chloride	ND	0.5
Naphthalene	ND	0.5
n-Propylbenzene	ND	0.5
Styrene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
Tetrachloroethene	ND	0.5
Toluene	ND	0.5
1,2,3-Trichlorobenzene	ND	0.5
1,2,4-Trichlorobenzene	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1,2-Trichloroethane	ND	0.5
Trichloroethene	ND	0.5
Trichlorofluoromethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
Vinyl Chloride	ND	0.5
o-Xylene	ND	0.5
m- & p-Xylenes	ND	0.5

Analysis completed by laboratory #153. ND: None Detect

MARYLAND SPECTRAL SERVICES, INC.
1500 Caton Center Drive Baltimore, MD 21227

VOLATILE ORGANICS BY EPA GC/MS METHOD 524.2

CLIENT SAMPLE ID: 72955 DBLK0617B1
PAGE 1 OF 2
LAB SAMPLE ID: 09061605 METHOD BLANK
SAMPLE DATE: 06/16/09
RECEIVED DATE: 06/16/09
ANALYSIS DATE: 06/17/09 06/17/09
FILE NAME: 061605 0617DBLKB1
INSTRUMENT ID: MSB MSB
MATRIX: WATER WATER
UNITS: ug/L ug/L
DILUTION FACTOR: 1.0 1.0

VOLATILE COMPOUNDS

tert-Amyl Alcohol (TAA)	10 U	10 U
tert-Amyl methyl ether (TAME)	0.5 U	0.5 U
Benzene	0.5 U	0.5 U
Bromobenzene	0.5 U	0.5 U
Bromochloromethane	0.5 U	0.5 U
Bromodichloromethane	0.5 U	0.5 U
Bromoform	0.5 U	0.5 U
Bromomethane	0.5 U	0.5 U
tert-Butanol (TBA)	10 U	10 U
n-Butylbenzene	0.5 U	0.5 U
sec-Butylbenzene	0.5 U	0.5 U
tert-Butylbenzene	0.5 U	0.5 U
Carbon Tetrachloride	0.5 U	0.5 U
Chlorobenzene	0.5 U	0.5 U
Chloroethane	0.5 U	0.5 U
Chloroform	0.5 U	0.5 U
Chloromethane	0.5 U	0.5 U
2- & 4-Chlorotoluene	0.5 U	0.5 U
1,2-Dibromo-3-chloropropane	0.5 U	0.5 U
Dibromochloromethane	0.5 U	0.5 U
1,2-Dibromoethane (EDB)	0.5 U	0.5 U
Dibromomethane	0.5 U	0.5 U
1,2-Dichlorobenzene	0.5 U	0.5 U
1,3-Dichlorobenzene	0.5 U	0.5 U
1,4-Dichlorobenzene	0.5 U	0.5 U
Dichlorodifluoromethane	0.5 U	0.5 U
1,1-Dichloroethane	0.5 U	0.5 U
1,2-Dichloroethane	0.5 U	0.5 U
1,1-Dichloroethene	0.5 U	0.5 U
cis-1,2-Dichloroethene	0.5 U	0.5 U
trans-1,2-Dichloroethene	0.5 U	0.5 U
1,2-Dichloropropane	0.5 U	0.5 U
1,3-Dichloropropane	0.5 U	0.5 U
2,2-Dichloropropane	0.5 U	0.5 U
1,1-Dichloropropene	0.5 U	0.5 U
cis-1,3-Dichloropropene	0.5 U	0.5 U

MARYLAND SPECTRAL SERVICES, INC.
1500 Caton Center Drive Baltimore, MD 21227

VOLATILE ORGANICS BY EPA GC/MS METHOD 524.2

CLIENT SAMPLE ID: 72955 DBLK061781
PAGE 2 OF 2
LAB SAMPLE ID: 09061605 METHOD BLANK
SAMPLE DATE: 06/16/09
RECEIVED DATE: 06/16/09
ANALYSIS DATE: 06/17/09 06/17/09
FILE NAME: 061605 0617DBLK01
INSTRUMENT ID: MSB MSB
MATRIX: WATER WATER
UNITS: ug/L ug/L
DILUTION FACTOR: 1.0 1.0

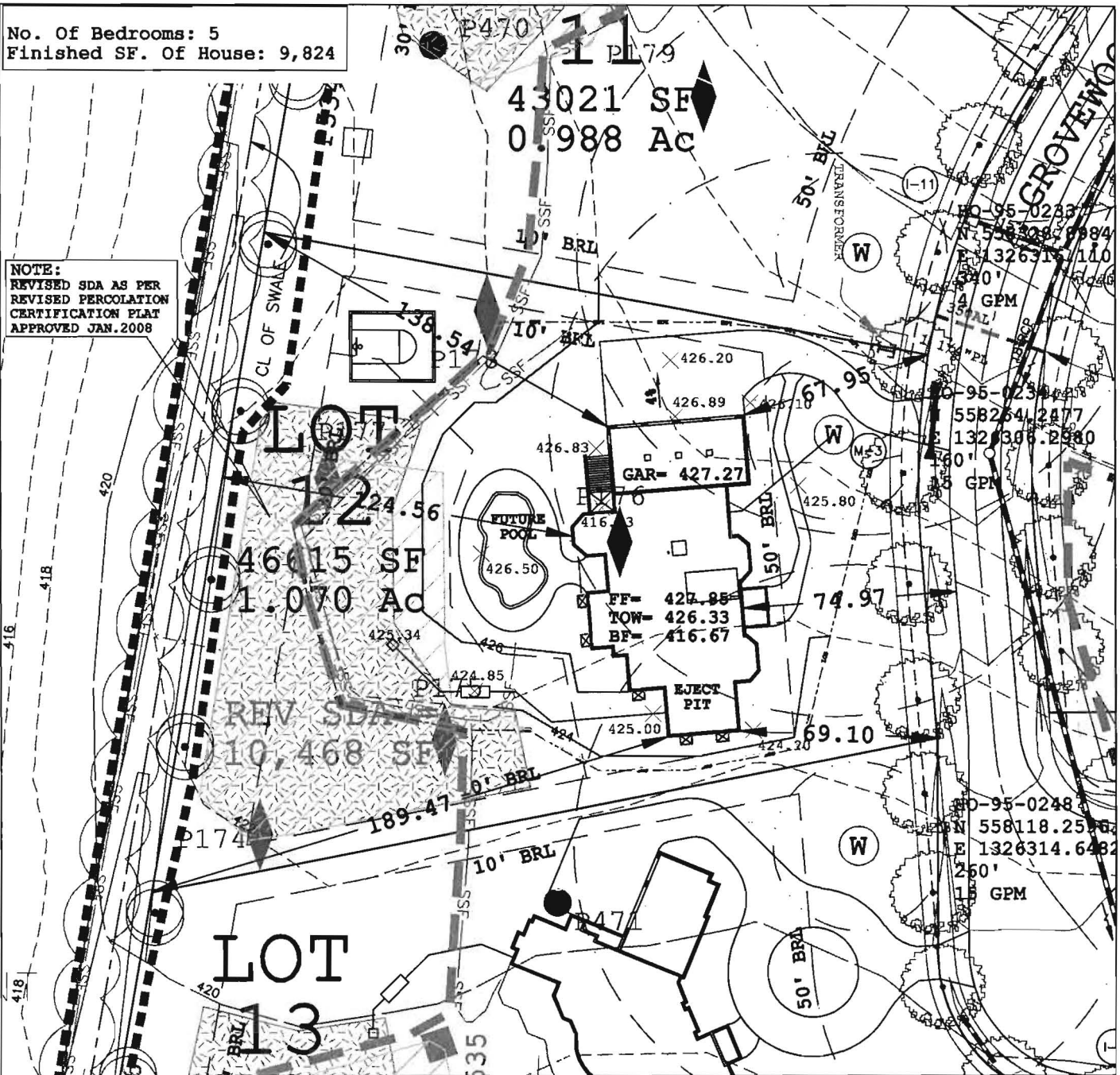
VOLATILE COMPOUNDS

trans-1,3-Dichloropropene	0.5 U	0.5 U
Diisopropyl Ether (DIPE)	0.5 U	0.5 U
Ethyl tert-butyl ether (ETBE)	0.5 U	0.5 U
Ethylbenzene	0.5 U	0.5 U
Hexachlorobutadiene	0.5 U	0.5 U
Isopropylbenzene	0.5 U	0.5 U
p-Isopropyltoluene	0.5 U	0.5 U
Methyl t-Butyl Ether (MTBE)	0.5 U	0.5 U
Methylene Chloride	0.5 U	0.5 U
Naphthalene	0.5 U	0.5 U
n-Propylbenzene	0.5 U	0.5 U
Styrene	0.5 U	0.5 U
1,1,1,2-Tetrachloroethane	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	0.5 U	0.5 U
Tetrachloroethene	0.5 U	0.5 U
Toluene	0.5 U	0.5 U
1,2,3-Trichlorobenzene	0.5 U	0.5 U
1,2,4-Trichlorobenzene	0.5 U	0.5 U
1,1,1-Trichloroethane	0.5 U	0.5 U
1,1,2-Trichloroethane	0.5 U	0.5 U
Trichloroethene	0.5 U	0.5 U
1,2,3-Trichloropropane	0.5 U	0.5 U
1,2,4-Trimethylbenzene	0.5 U	0.5 U
1,3,5-Trimethylbenzene	0.5 U	0.5 U
Vinyl Chloride	0.5 U	0.5 U
o-Xylene	0.5 U	0.5 U
m- & p-Xylenes	0.5 U	0.5 U

B - Detected in lab blank U - Below reported quantitation level J - Estimated value
ug/L = microgram per Liter (parts per billion)

No. Of Bedrooms: 5
 Finished SF. Of House: 9,824

NOTE:
 REVISED SDA AS PER
 REVISED PERCOLATION
 CERTIFICATION PLAT
 APPROVED JAN. 2008



<p>The existing well(s) shown on this plan have been field located by a Professional Land Surveyor, and is (are) accurately shown. All drilled wells and SDA's within the boundaries of this property are shown.</p>	<p>TAGGED WELL DATA TAG NUMBER: HO-85-0234 NORTHING: 99884.2477 EASTING: 132631.5980</p>	<p>LOD= 25836 SF REV SDA = 10278 SF</p>
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<p>TITLE: PERCOLATION PLAT PLOT PLAN</p>		<p>OWNER/ BUILDER: Dale Thompson Builders, Inc. 6300 Woodside Court Suite A Columbia, MD 21046</p>	<p>PROPOSED ELEVATIONS:</p> <table border="0"> <tr><td>TOP OF BASEMENT SLAB:</td><td>416.57</td></tr> <tr><td>TOP OF FOUNDATION WALL:</td><td>426.33</td></tr> <tr><td>TOP OF FIRST SUBFLOOR:</td><td>427.85</td></tr> <tr><td>INVERT OUT OF HOUSE:</td><td>423.80</td></tr> <tr><td>INVERT INTO TANK:</td><td>423.17</td></tr> <tr><td>INVERT OUT OF TANK:</td><td>422.57</td></tr> <tr><td>INVERT INTO PUMP:</td><td>N/A</td></tr> <tr><td>INVERT OUT OF PUMP:</td><td>N/A</td></tr> <tr><td>INVERT INTO DISTRIBUTION BOX:</td><td>422.35</td></tr> <tr><td>INVERT INTO TRENCHES:</td><td>418.00</td></tr> <tr><td>GRADE AT HOUSE INVERT:</td><td>426.00</td></tr> <tr><td>GRADE AT SEPTIC TANK:</td><td>424.88</td></tr> <tr><td>GRADE AT PUMP:</td><td>N/A</td></tr> <tr><td>GRADE AT DISTRIBUTION BOX:</td><td>425.34</td></tr> <tr><td>GRADE AT TRENCHES:</td><td>425.00</td></tr> </table> <p>PAVING SPECIFICATIONS: 2" ASPHALT OVER 4" CR-6 OR 2.5" ASPHALT OVER 1.5" OVERLAY</p>	TOP OF BASEMENT SLAB:	416.57	TOP OF FOUNDATION WALL:	426.33	TOP OF FIRST SUBFLOOR:	427.85	INVERT OUT OF HOUSE:	423.80	INVERT INTO TANK:	423.17	INVERT OUT OF TANK:	422.57	INVERT INTO PUMP:	N/A	INVERT OUT OF PUMP:	N/A	INVERT INTO DISTRIBUTION BOX:	422.35	INVERT INTO TRENCHES:	418.00	GRADE AT HOUSE INVERT:	426.00	GRADE AT SEPTIC TANK:	424.88	GRADE AT PUMP:	N/A	GRADE AT DISTRIBUTION BOX:	425.34	GRADE AT TRENCHES:	425.00
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GRADE AT DISTRIBUTION BOX:	425.34																																
GRADE AT TRENCHES:	425.00																																
<p>DATE: 12.29.07 SCALE: 1:50</p> <p>PROJECT NAME: SINGLE-FAMILY DWELLING LOT 12 PRESERVE @ CLARKSVILLE CLARKSVILLE, HOWARD COUNTY MARYLAND</p>	<p>APPROVED FOR PRIVATE WATER AND PRIVATE/PUBLIC SEWERAGE SYSTEMS IN CONFORMANCE WITH THE MASTER PLAN OF HOWARD COUNTY.</p> <p>Peter Bellerson, M.D., M.P.H., HOWARD COUNTY HEALTH OFFICER</p>	<p>DATE</p>																															

NOT scaled but SDA accurate.