

C1 7001 SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT FILL IN THIS FORM COMPLETELY PLEASE TYPE

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

COUNTY NUMBER 13 A518599

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

ST/CO USE ONLY DATE Received MM DD YY

DATE WELL COMPLETED MM DD YY 4 2 07

Depth of Well 22 100 26 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" 5/31/07 HO-95-0725

OWNER Peddicord David STREET OR RFD Sheppard Manor Drive TOWN Ellicott City SUBDIVISION Sheppard Manor SECTION LOT 3

WELL LOG

Not required for driven wells

STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING

Table with columns: DESCRIPTION, FEET (FROM, TO), check if water bearing. Rows include Brown mica, Gray Limestone, Dry hole cement, Rock cuttings.

GROUTING RECORD

WELL HAS BEEN GROUTED (Y) (N) TYPE OF GROUTING MATERIAL (C) (B) NO. OF BAGS 28 NO. OF POUNDS 2632 GALLONS OF WATER 168 DEPTH OF GROUT SEAL 0 to 26 ft.

CASING RECORD

MAIN CASING TYPE PLI Nominal diameter 66 Total depth of main casing 130

OTHER CASING (if used)

ST diameter 5 inch depth 26 to 47 feet

SCREEN RECORD

screen type or open hole (H) (O) (P) (L) (T) (S)

NUMBER OF UNSUCCESSFUL WELLS: 1

WELL HYDROFRACTURED (Y) (N)

CIRCLE APPROPRIATE LETTER A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED

I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 28.04.04 "WELL CONSTRUCTION"

DRILLERS LIC. NO. 1 M 5 D 009 DRILLERS SIGNATURE

LIC. NO. 1 D

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

DEPTH (nearest ft.)

Table with columns: 1, 2, 8, 9, 11, 15, 17, 21, 23, 24, 26, 30, 32, 36, 38, 39, 41, 45, 47, 51

DIAMETER OF SCREEN (NEAREST INCH) 56 to 60

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

C 3

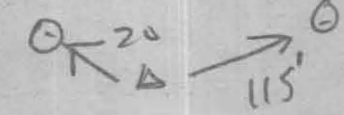
PUMPING TEST

HOURS PUMPED (nearest hour) 03 PUMPING RATE (gal. per min.) 20 METHOD USED TO MEASURE PUMPING RATE 196L. WATER LEVEL (distance from land surface) BEFORE PUMPING 9 ft. WHEN PUMPING 13 ft. TYPE OF PUMP USED (for test) S submersible

PUMP INSTALLED

DRILLER INSTALLED PUMP (CIRCLE) (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 to 35 PUMP HORSE POWER 37 to 41 PUMP COLUMN LENGTH (nearest ft.) 43 to 47 CASING HEIGHT (circle appropriate box and enter casing height) (+) above (0) LAND SURFACE (-) below (0) (nearest foot)

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)



B 1 5817

SEQUENCE NO. (MDE USE ONLY)

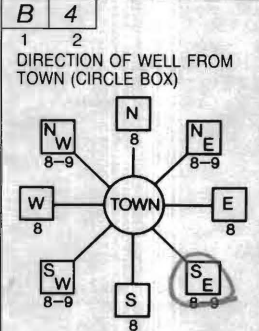
STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL please type 526205

STATE PERMIT NUMBER 40-95-0725 fill in this form completely

OWNER INFORMATION Date Received (APA) 8 MM DD YY 13 Williamsburg Group LLC Owner First Name 34 5485 Harpers Farm Rd. Street or RFD 55 Columbia md 21044 Town 70 State 72 Zip 76

LOCATION OF WELL B 3 Howard COUNTY 21 Sheppard Manor SUBDIVISION 42 SECTION 44 46 LOT 3 48 50 West Friendship NEAREST TOWN 71 MILES FROM TOWN (enter 0 if in town) 5 M I 73 76 77 78

DRILLER INFORMATION Cullen Compton MS D 009 Driller's Name 76 License No. 81 Eagles Well Drilling Firm Name 580 Obrecht RD Address Miller 1-23-07 Signature Date



NEAR WHAT ROAD 30 Sheppard Manor Drive ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) NORTH 210 37 DISTANCE FROM ROAD FT 38 39 ENTER FT OR MI 29 1 268 TAX MAP: 29 BLK: 1 PARCEL: 268

WELL INFORMATION B 2 APPROX. PUMPING RATE (GAL. PER MIN.) 5 8 500 12 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 14 20

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL Howard 13 A518599 COUNTY NAME COUNTY NO. STATE SIGNATURE INSERT S DATE ISSUED 2/28/2007 Brian Baber 2/28/2008 CO SIGNATURE EXP. DATE NORTH GRID 515 000 EAST GRID 818 000 50 55 57 63

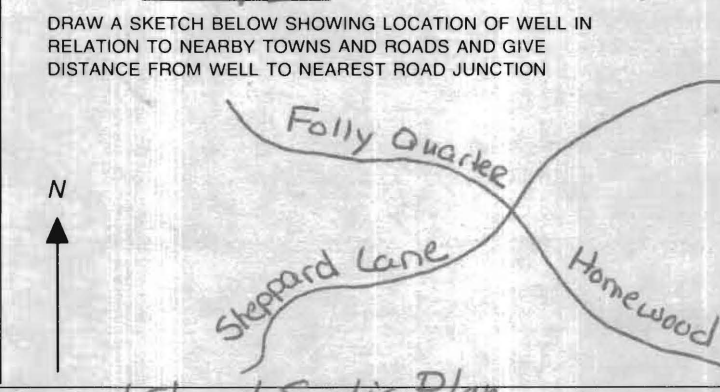
USE FOR WATER (CIRCLE APPROPRIATE BOX) D DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION F FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION) I INDUSTRIAL, COMMERCIAL, DEWATERING P PUBLIC WATER SUPPLY WELL T TEST, OBSERVATION, MONITORING G GEO-THERMAL

APPROXIMATE DEPTH OF WELL 300 FEET 24 28 APPROXIMATE DIAMETER OF WELL 6 INCH NEAREST

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X SOURCES OF DRILLING WATER 1. 2. 3. WRITE THE BOX NUMBER FROM THE MAP HERE E 818 N 515 000 000

METHOD OF DRILLING (circle one) BORED (or Augered) JETTED Jetted & DRIVEN AIR-ROTary AIR-Percussion ROTARY (Hydraulic Rotary) CABLE REVERSE-ROTary Drive-POINT other

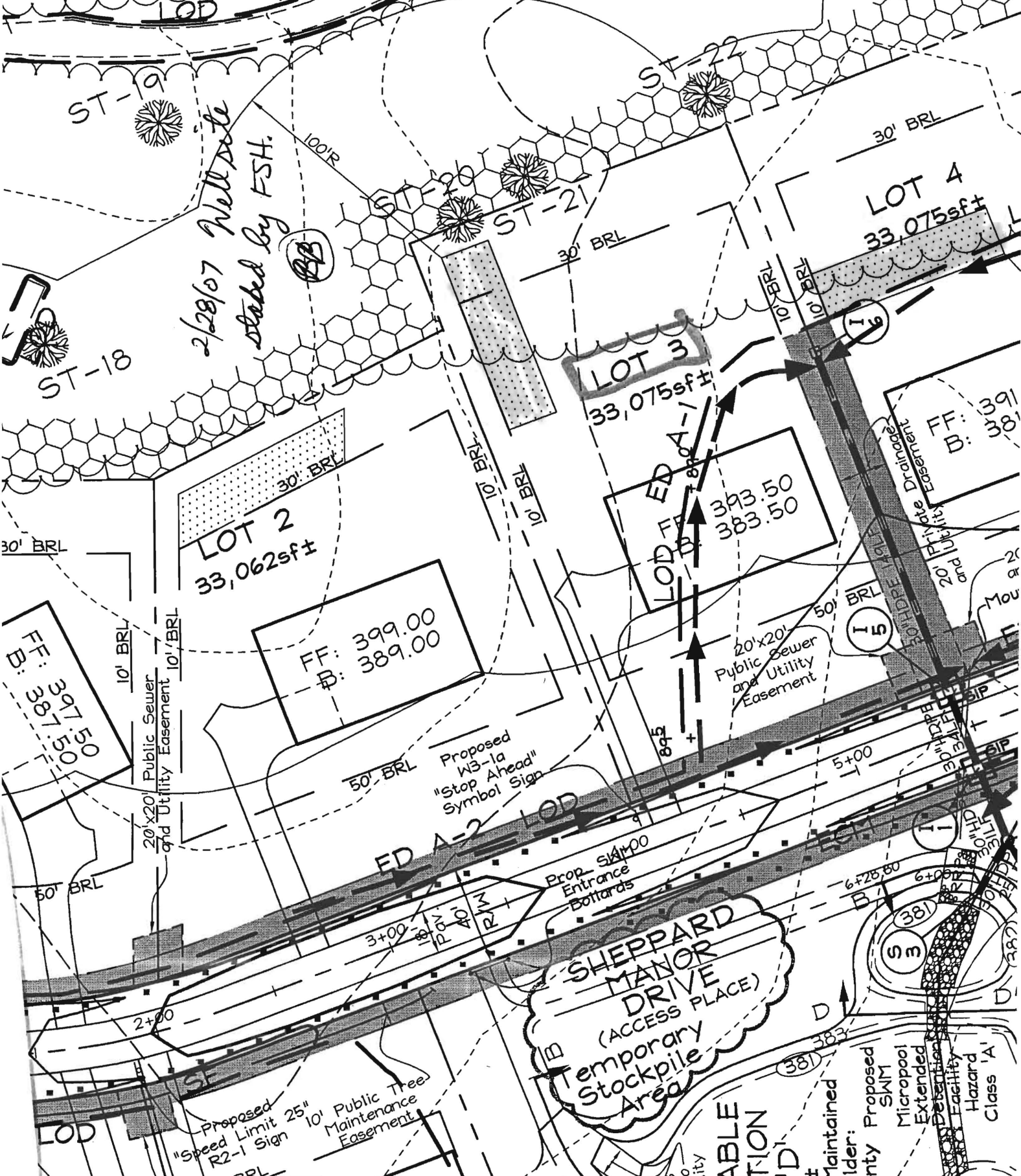
REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX) N THIS WELL WILL NOT REPLACE AN EXISTING WELL Y THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED S THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS D THIS WELL WILL DEEPEM AN EXISTING WELL 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) APPROP. PERMIT NUMBER H02005G007 PERMIT No. H0 95 0725 70 71 72 73 74 75 76 77 78 79

SPECIAL CONDITIONS Well Must Be Drilled Per Approved Shared Septic Plan Health Dpt. Must Collect Water Sample During Yield Test

Area (This Area: 5.10±
Total Area: 5.10±
Privately Owned and Mainly
Easement Holders
HOA and Howard County



2/28/07 Well site
staked by FSH.

LOT 2
33,062sf±

LOT 3
33,075sf±

LOT 4
33,075sf±

FF: 399.00
B: 389.00

393.50
383.50

391
386

FF: 397.50
B: 387.50

Proposed W3-1a
"Stop Ahead"
Symbol Sign

Prop. S/M
Entrance
Bollards

SHEPPARD
MANOR
DRIVE
(ACCESS PLACE)
Temporary
Stockpile
Area

Proposed
"Speed Limit 25"
R2-1 Sign

Proposed 25'
10' Public Tree
Maintenance
Easement

MAINTENANCE

Maintained
older:
County Proposed
S/M
Micropool
Extended
Facility
Hazard
Class 'A'

(381)

(381)

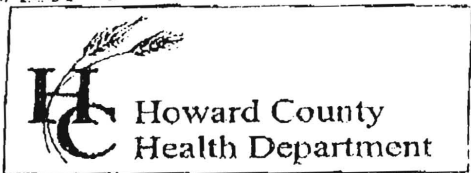
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7178 Columbia Gateway Drive, Columbia MD 21046
 (410) 313-2640 Fax (410) 313-2648
 TDD (410) 313-2323 Toll Free 1-866-313-6300
 website: www.hchealth.org

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

TO ALL INTERESTED PARTIES

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

Well Site Location:

Shepherd Manor Lot 3 4611 Shepherd Manor Drive
 Subdivision/Property Name Lot# Road Name

The well site has been staked by _____
 (professional land surveyor or company employing professional land surveyors)
 on _____ (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. *- wells are flagged (1-11-09)*

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

Revised 3/11/05

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

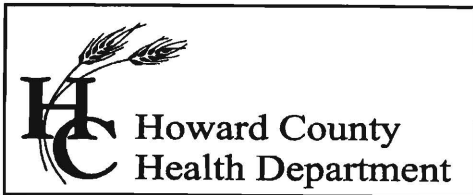
ATTENTION WELL DRILLERS!!!

When submitting a well application for a new or replacement well, please indicate one of the following:

- The well site has been staked by FSH Associates on 1-26-07 and is ready for site inspection.
- _____ will call the Health Department for a time to meet in the field to verify a well location.
- Site plan for new well is attached to well permit application.

Please attach this sheet when submitting your green application. This should help improve communication allowing a more timely service for our citizens.

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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

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

May 16, 2007

Williamsburg Group LLC
5435 Harpers Farm Road
Columbia, Maryland 21044

RE: Sheppard Manor, Lot#3
Well Tag: HO-95-0725

To Whom It May Concern:

A sample was collected from a yield test on April 4, 2007 and submitted to Department of Health and Mental Hygiene Laboratories to assess the possible presence of **Gross Alpha** and **Gross Beta** in the future well water supply. **Gross Alpha** and **Gross Beta** measure the total alpha and beta particle activity in a water supply. In turn, this can provide information regarding naturally occurring radiation (i.e., Radionuclides) that may exist in your area of development within the County.

Results from this screening revealed a **Gross Alpha** of 5.0 ± 2.0 picocuries/liter (pCi/L); while the **Gross Beta** level was 4.0 ± 2.0 pCi/L. The **Gross Alpha** result was below its **maximum contaminant level (MCL)** of 15 pCi/L, while the **Gross Beta** level was below its target value of 50 pCi/L (roughly equivalent to the **annual dose rate** of 4 millirems/year).

At the time of 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 & Occupancy. However, other standard (potability) testing will still be necessary.

A copy of the test results is enclosed for your information. Please call this office at 410-313-1773 if you have any further questions.

Sincerely,

Bert Nixon, Deputy Director
Bureau of Environmental Health

cc: Eric Dougherty, MDE Water Mgmt., Groundwater
✓ Well & Septic File

Send Report To:
Bert Nixon

State of Maryland
 DHMH - Laboratories Administration
 Division of Environmental Chemistry
RADIATION LABORATORY

201 W. Preston Street, Baltimore, Maryland 21201
 John M. DeBoy, Dr. P.H., Director

LABORATORY ANALYSIS REQUEST

Sample Bottle No. A: H0-95-0725 No. B: _____ Field Blank Bottle No. A: _____ No. B: _____

Plant/Site Name: Shppard: Meats Lot 3 County: Howard

Sample Source: Shppard Meats DC Location: H0-95-0725
 (well no., lab sink, sample tap, etc.)

County: 1 3 Plant No.

CHECK (one per box)

Drinking Water	<input checked="" type="checkbox"/>
Landfill	<input type="checkbox"/>
Stream	<input type="checkbox"/>
Other	<input type="checkbox"/>

Community	<input type="checkbox"/>
Non-community	<input type="checkbox"/>
Private	<input type="checkbox"/>
Other	<input type="checkbox"/>

Source (raw water)	<input type="checkbox"/>
Distribution (treated)	<input type="checkbox"/>
MCL	<input type="checkbox"/>

Emergency	<input type="checkbox"/>
Routine	<input type="checkbox"/>
Re-test	<input type="checkbox"/>
Special	<input type="checkbox"/>

Collector: K. Wolf Telephone No: 410-313-2645

Date Collected: 4/4/07 Time Collected: _____ a.m. _____ p.m.

Nitric Acid Preserved: Yes No Iced: Yes No

Submitters Code: Federal Project: Field Data: _____

Remarks: Sample collected @ Yield test. pH Chlorine

✓	Test	EPA Code	Laboratory No.	Results (pCi/L)	Date Reported
✓	Gross Alpha	4000			
✓	Gross Beta	4100			
	Radon-222 Bottle A	4004			
	Radon-222 Bottle B	4004			
	Field Blank A	4004			
	Field Blank B	4004			
	Tritium				
	Ra - 226	4020			
	Ra - 228	4030			
	Total Uranium	4006			

Date Received: _____ / _____ / _____

Supervisor: _____

BENCHMARKS

Sta. 0019	N 176,927.0394	E 406,505.1110	El.: 117.6061 (meters)
	N 580,468.128	E 1,333,675.518	El.: 385.846 (feet)
Sta. 0040	N 175,952.4260	E 405,995.1970	El.: 111.3465 (meters)
	N 577,270.584	E 1,332,002.575	El.: 365.309 (feet)

GENERAL NOTES

1. This property is zoned "RC-DEO" per the 02/02/04 Comprehensive Zoning Plan and the Comp Lite Zoning Regulations Amendments effective 07/28/06.
2. Total area of property = 33,075sf± or 0.759 Act
3. Private water and shared septic will serve this lot.
4. On-site topography based on a Field Run Topographic Survey prepared by FSH Associates dated 1/12/04. Off-site and non-critical topography based on Howard County 1998 Aerial Topographic Surveys with five foot contours.
5. The existing wells shown on this plan (identified with the attached well tag numbers: HO-95-0725 & HO-95-1854) have been field located by FSH Associates, Inc at August 17, 2007 and January 18, 2010 (respectively) and are accurately shown.
6. A stockpile will not be permitted on site.
7. Topography shown is at two-foot contour intervals (one-foot intervals are required for mound systems and systems with pipe depth less than two feet) and has been field verified or field run.
8. Existing wells, septic systems, and sewage disposal areas within 100' of the property and those within 200' downgradient of existing or proposed septic systems or sewage disposal areas have been shown.
9. The purpose of this Amended Percolation Certification Plan is to relocate the well area on Lot 3, and to abandon existing well #HO-95-0725.
10. The lot shown heron was recorded on the plat #19208-19210. Refer to plat for lot dimensions, lot areas, all easements, any restrictions, and provisions.

11. Locations of Dry or Collapsed Drill Holes, Geobores, and The LP tank are 'Best Fit' of data recorded by Health Department Environmental Sanitarians.

"I CERTIFY THAT THE INFORMATION SHOWN HEREON IS BASED ON FIELD WORK PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION, AND IS CORRECT, TO THE BEST OF MY KNOWLEDGE AND BELIEF. I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. #22418, EXPIRATION DATE: 07/29/2011.

Zacharia Y. Fisch

ZACHARIA YOSFF FISCH, P.E. #22418

1/19/2010

DATE