



# APPLICATION

## FOR PERCOLATION TESTING AND SITE EVALUATION

506

TEST DATE(S) \_\_\_\_\_ TEST TIME \_\_\_\_\_ AP 532545

AGENCY REVIEW: \_\_\_\_\_ DATE 3-11-10

DO NOT WRITE ABOVE THIS LINE

I HEREBY APPLY FOR THE NECESSARY TESTING/EVALUATION PRIOR TO ISSUANCE OF SEWAGE DISPOSAL SYSTEM PERMIT(S) TO:

CHECK AS NEEDED:

- CONSTRUCT NEW SEPTIC SYSTEM(S)
- REPAIR/ADD TO AN EXISTING SEPTIC SYSTEM
- REPLACE AN EXISTING SEPTIC SYSTEM

CHECK AS NEEDED:

- NEW STRUCTURE(S)
- ADDITION TO AN EXISTING STRUCTURE
- REPLACE AN EXISTING STRUCTURE

CHECK ONE:

- CREATE NEW LOT(S)
- BUILD ON AN EXISTING LOT IN A SUBDIVISION
- BUILD ON AN EXISTING PARCEL OF RECORD

IS THE PROPERTY WITHIN 2500' OF ANY RESERVOIR?

- YES
- NO

THE TYPE OF STRUCTURE IS:

- RESIDENTIAL WITH \_\_\_\_\_ PROPOSED BEDROOMS IN THE COMPLETED STRUCTURE (NOTE **UNKNOWN** IF APPROPRIATE)
- COMMERCIAL (PROVIDE DETAIL OF NUMBERS AND TYPES OF EMPLOYEES/ CUSTOMERS ON ACCOMPANYING PLAN)
- INSTITUTIONAL/GOVERNMENT (PROVIDE DETAIL OF NUMBERS AND TYPES OF EMPLOYEES/USERS ON ACCOMPANYING PLAN)

PROPERTY OWNER(S) TIM + GINA PEARSON

DAYTIME PHONE 410-442-5929 CELL \_\_\_\_\_ FAX \_\_\_\_\_

MAILING ADDRESS 2959 HUNT VALLEY DR. GLENWOOD MD.  
STREET CITY/TOWN STATE ZIP

APPLICANT ARTHUR S. CRAFTON

DAYTIME PHONE 443-745-7512 CELL SAME FAX \_\_\_\_\_

MAILING ADDRESS 15024 KENWOOD CT. WOODBINE MD.  
STREET CITY/TOWN STATE ZIP

APPLICANT'S ROLE: DEVELOPER BUILDER BUYER RELATIVE/FRIEND REALTOR CONSULTANT

PROPERTY LOCATION  
SUBDIVISION/PROPERTY NAME \_\_\_\_\_ LOT NO. \_\_\_\_\_

PROPERTY ADDRESS 2959 HUNT VALLEY DR.  
STREET TOWN/POST OFFICE

FAX MAP PAGE(S) \_\_\_\_\_ GRID \_\_\_\_\_ PARCEL(S) \_\_\_\_\_ PROPOSED LOT SIZE \_\_\_\_\_

AS APPLICANT, I UNDERSTAND THE FOLLOWING: THE SYSTEM INSTALLED SUBSEQUENT TO THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC SEWERAGE IS AVAILABLE. THIS APPLICATION IS COMPLETE WHEN ALL APPLICABLE FEES AND A SUITABLE SITE PLAN HAVE BEEN RECEIVED. I ACCEPT THE RESPONSIBILITY FOR COMPLIANCE WITH ALL M.O.S.H.A. AND "MISS UTILITY" REQUIREMENTS. APPROVAL IS BASED UPON SATISFACTORY REVIEW OF A PERC CERTIFICATION PLAN.

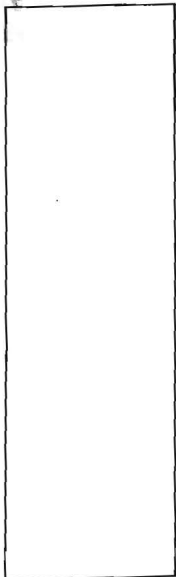
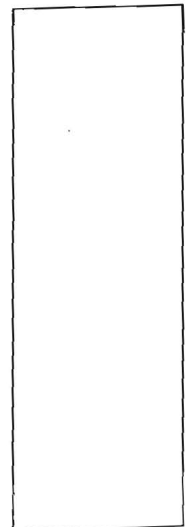
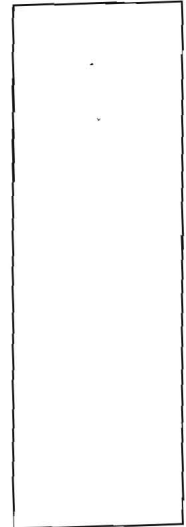
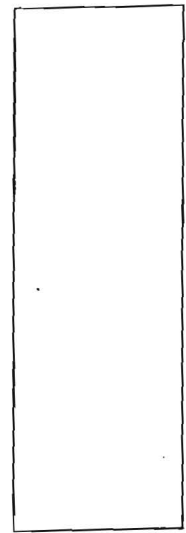
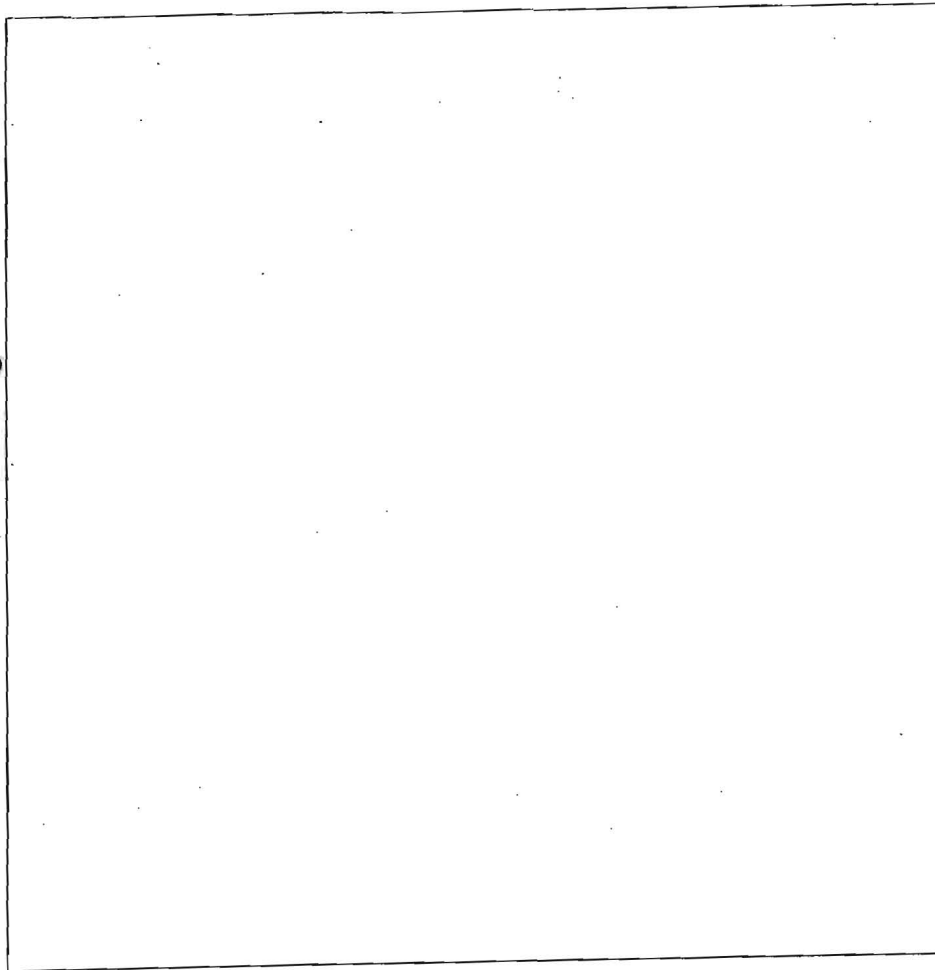
TEST RESULTS WILL BE MAILED TO APPLICANT. Gina Pearson  
SIGNATURE OF APPLICANT

HOWARD COUNTY HEALTH DEPARTMENT, BUREAU OF ENVIRONMENTAL HEALTH, WELL AND SEPTIC PROGRAM  
7178 COLUMBIA GATEWAY DRIVE COLUMBIA, MARYLAND 21046 (410) 313-1771 FAX (410) 313-2648  
TDD (410) 313-2323 TOLL FREE 1-877-4MD-DHMH

A/P \_\_\_\_\_

RECEIVED  
WARD COUNTY HEALTH DEPT.  
ENVIRONMENTAL HEALTH

2010 APR 11 AM 10:39



DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H

REMARKS \_\_\_\_\_

SANITARIAN \_\_\_\_\_ BACKHOE \_\_\_\_\_ OTHERS \_\_\_\_\_

TEST HOLES USED IN SDA \_\_\_\_\_ AVG. PERC TIME \_\_\_\_\_ SQ. FT/BR \_\_\_\_\_

TRENCH WIDTH \_\_\_\_\_ INLET DEPTH \_\_\_\_\_ MAX. BOT DEPTH \_\_\_\_\_ EFFECTIVE SW \_\_\_\_\_

A/P  
#P1

Bn, medium  
2SBK SCH 1'

Orange red  
Burl

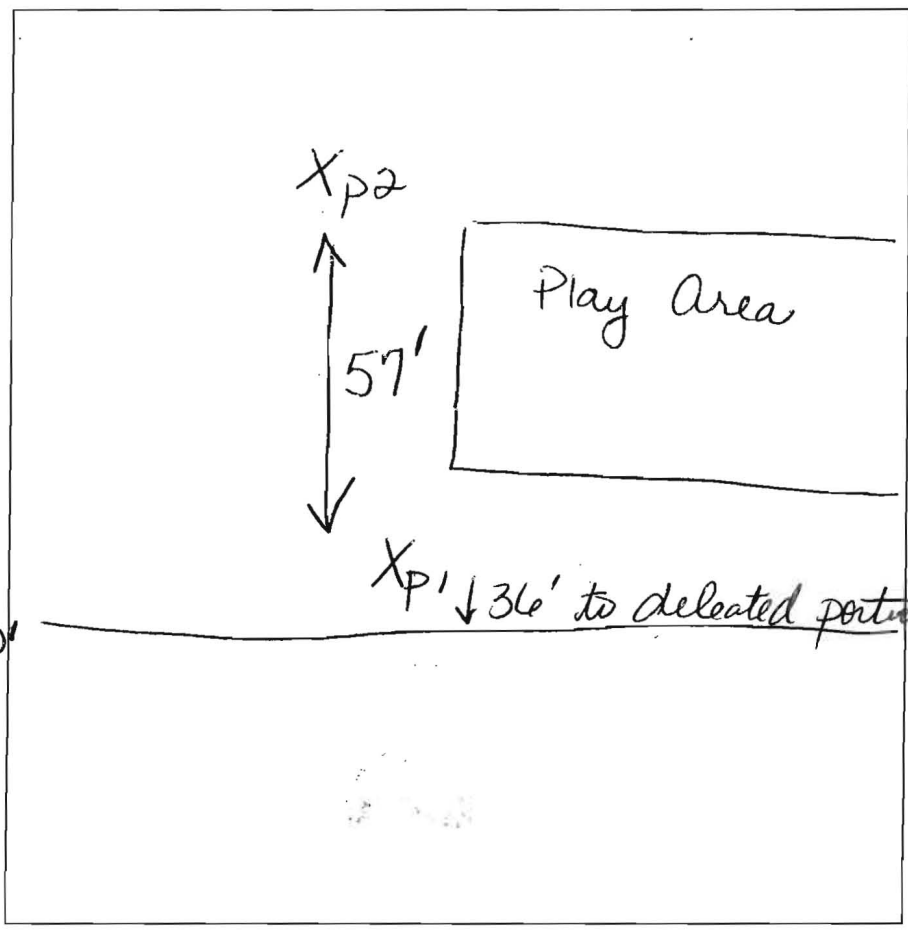
Much mica

Rd Brown  
SCH 5'

Fine sh  
Rd Br

↓

Fine sh  
Rd Brown -10'



P # 2

2SBK Brown 0.8

Rd Brown  
SCH

↓

5'

Rd Brown  
msk

Small stones 8ft

Rd Brown  
msk, mica

Very few  
stones -10ft

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
4-28	2	<del>5.0</del> 10	9:51	9:58	10:13	15min	P
4-28	2	5.0 10	10:31	10:41	10:54	13min	P

REMARKS \_\_\_\_\_

SANITARIAN \_\_\_\_\_ BACKHOE \_\_\_\_\_ OTHERS \_\_\_\_\_

TEST HOLES USED IN SDA \_\_\_\_\_ AVG. PERC TIME \_\_\_\_\_ SQ. FT/BR \_\_\_\_\_

TRENCH WIDTH \_\_\_\_\_ INLET DEPTH \_\_\_\_\_ MAX. BOT DEPTH \_\_\_\_\_ EFFECTIVE SW \_\_\_\_\_

COUNTY #

SOIL PROFILE

8A

0' topsoil

1' org red brn cl Lm

4.5' pale org beige sil Lm

8' 750% rock frag

8B

0' topsoil

1' red brn cl Lm

4.5' beige sil Lm

12' 25-30% rock frag

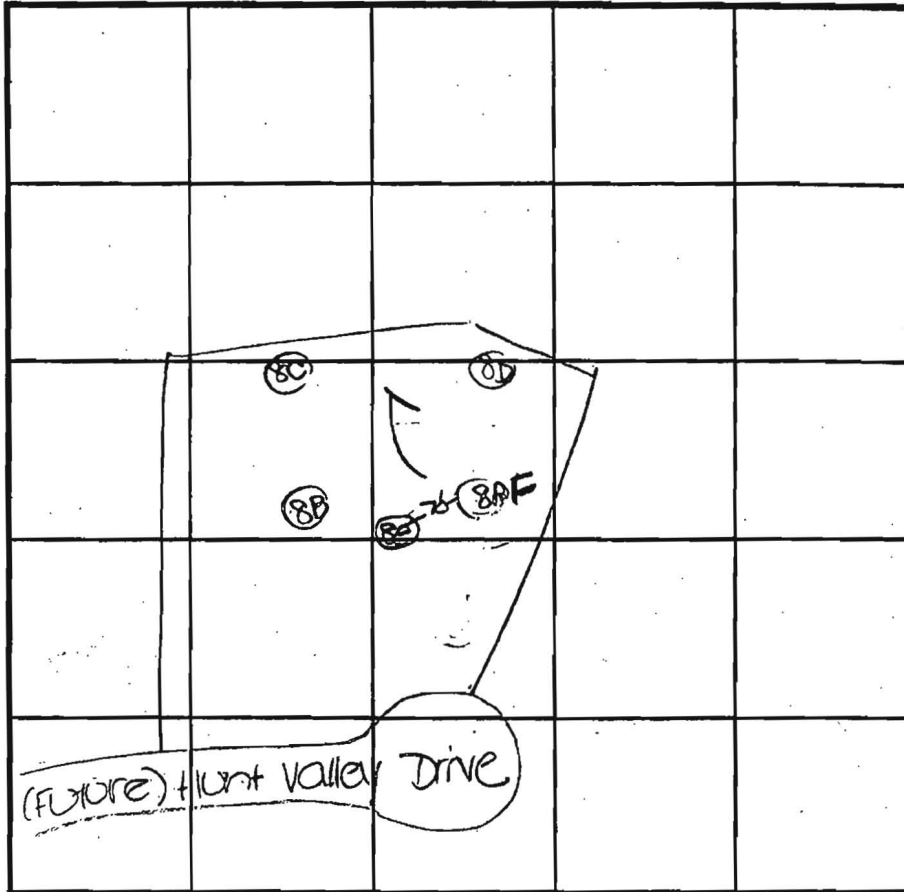
8C/8D

0' topsoil

1' org red brn cl Lm

4' beige sil Lm

12' 10-15% rock frag



SOIL PROFILE

8E

0' topsoil

1' red org brn cl Lm

4' pale org tan sil Lm

12' 35%+ scup sh

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
4-27-99	<del>8A</del>	11.0'D	Refusal	- See	profile		FAIL
	8B ✓	4.5'S	3:14	little	slow	→	OK below
		12.0'D	Visual	- See	profile		OK
	<del>8C</del>	4.5'S	3:17	3:22	3:22	3:29	7
		12.0'D	Visual	- See	profile		OK
	8D ✓	14.0'D	Visual	- See	profile		OK
5-14-99	8E ✓	12.0'D	Visual	- See	profile		OK

REMARKS

TYPE OF SOIL

TESTED BY D. See

ALSO PRESENT Hatfield's

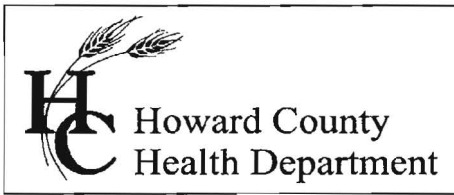
TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME

TRENCH WIDTH

INLET DEPTH

MAXIMUM BOTTOM DEPTH

SQ. FT/BEDROOM



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](http://www.hchealth.org)

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

May 5, 2010

RE: **Percolation Test Results**

Purpose: To Establish Septic Reserved Area for Proposed Building Permit

Property ID: 2959 Hunt Valley Drive

Glenwood, Maryland 21738

Tax Map: 14 Parcel: 243 Lot 4

Dear Mr. Pearson:

Percolation testing was recently conducted on April 28, 2010 on the above referenced property, in an effort to establish sufficient septic reserve areas to support an addition for the existing lot.

A total of 2 test holes were dug in the proposed area. Results for the lot indicated satisfactory soil conditions for onsite wastewater disposal and adequate septic reserve area to support the proposed number of bedrooms for a single family dwelling. Field data collected is shown on the Percolation Test Worksheet enclosed with this letter.

If you have any questions regarding this evaluation, please contact me at the above address or by telephone at (410) 313-2775.

Respectfully,

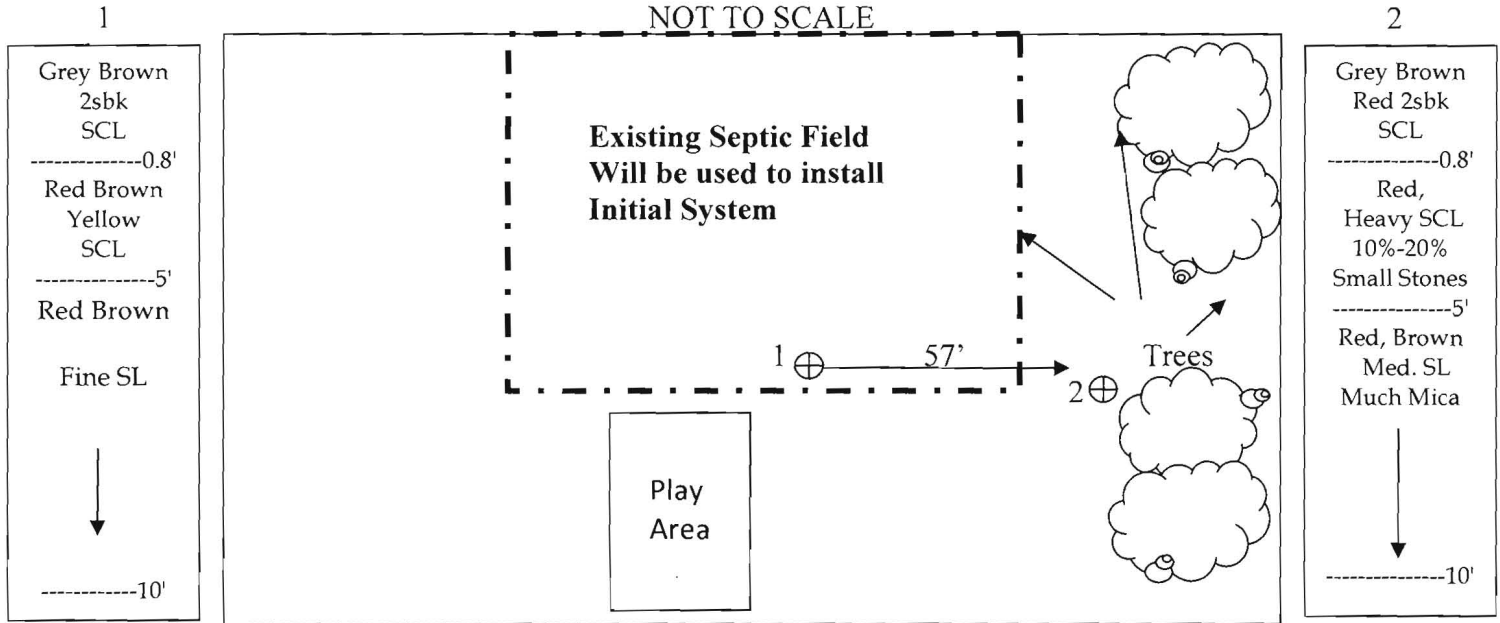
*Dana Bernard*  
Dana Bernard, Environmental Sanitarian  
Bureau of Environmental Health  
Well and Septic Program  
Development and Coordination  
Phone (410) 313-2775  
E-mail: [DBernard@howardcountymd.gov](mailto:DBernard@howardcountymd.gov)

DLB

Enclosures

cc: Well & Septic Program

Crafton Construction



2

Date	Test #	Depth	Start	Break 1" Drop	Break 2" Drop	Time of 2 <sup>nd</sup> Inch	P/F/H
4-28-10	1	5'/10'	9:51	9:58	10:13	15 min.	Pass
4-28-10	2	5'/10'	10:31	10:41	10:54	13 min.	Pass

4

3

Remarks:    Inlet @ 5 feet and existing system must be abandoned.  
 Upgrading to a 2000 gallon tank.    Perc for addition     
 Sanitarian    DB    Backhoe:    Jeff from Hatfields    Others   

Test Holes Used in SDA    2    Avg. Perc Time    15min.    SQ.FT/BR   

Trench Width    3    Inlet Depth    5    Max Bot.Depth    7    Effective S/W    2   

\*Information regarding septic specs are for initial system only

5

**Dana Bernard**

---

**From:** Ronald Johnston [rjarchitects@cuttingedgesdesigngroup.com]  
**Sent:** Tuesday, November 17, 2009 3:29 PM  
**To:** Dana Bernard  
**Subject:** 2959 Hunt Valley Drive, Glenwood septic reconfiguration

Ms. Bernard,

Thank you so much for meeting with me to discuss the proposed septic system revisions to 2959 Hunt Valley Drive, Glenwood. I really appreciate your time and assistance. As you requested, I am e-mailing to request that you field-review the referenced property to see whether the proposed tank and distribution box location is workable/acceptable. You had indicated that a review on the morning of Wednesday, 12/02/2009 would work in your schedule; I will notify the homeowner of your scheduled site visit.

Also, you asked me to remind you to e-mail me any additional notes that need to go on the new site plan. I appreciate your sending me those notes.

Thank you again for all your help!

Ron Johnston  
410-442-3667

AREA TO BE  
ADDED (PROP.)  
±1850 S.F.

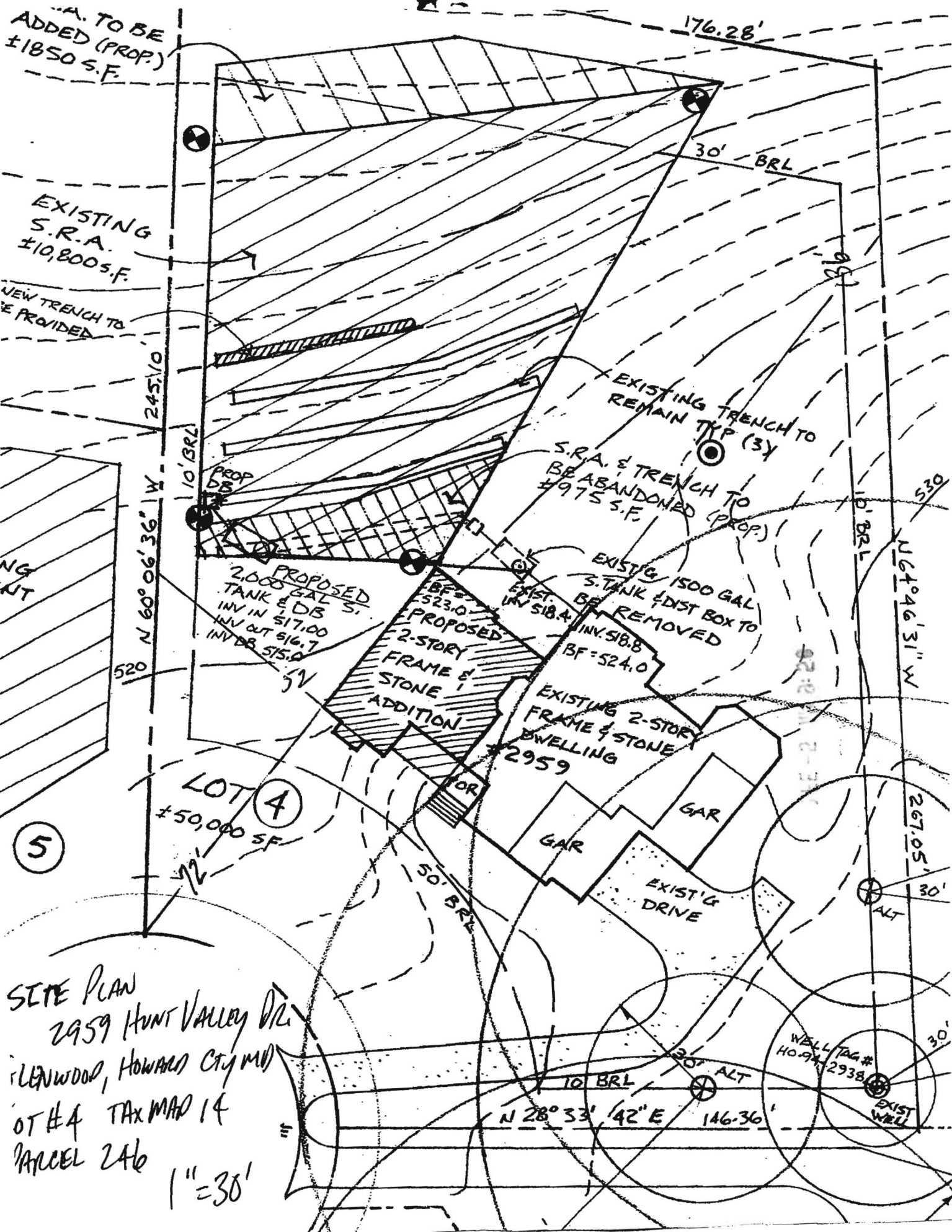
EXISTING  
S.R.A.  
±10,800 S.F.

NEW TRENCH TO  
BE PROVIDED

EXISTING  
S.R.A.  
±10,800 S.F.

5

SITE PLAN  
2959 HUNT VALLEY DR.  
LENWOOD, HOWARD CTY MD  
LOT #4 TAX MAP 14  
PARCEL 246  
1" = 30'



**NOTES:**

THE PURPOSE OF THIS PERCOLATION CERTIFICATION REVISION IS TO ADJUST THE SEPTIC RESERVE AREA ON THE SUBJECT PROPERTY TO INCLUDE ONLY SUITABLE AREA, IN SUPPORT OF A BUILDING PERMIT APPLICATION FOR A 2-STORY ADDITION OF 2,162 GROSS SQUARE FEET TO THE EXISTING DWELLING AT 2959 HUNT VALLEY DRIVE, GLENWOOD, MD IN 2010.

THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF ENVIRONMENT.

THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF AT LEAST 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THIS EASEMENT SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWERAGE EASEMENT. RECORDATION OF A REVISED SEWERAGE EASEMENT SHALL NOT BE NECESSARY.

ANY CHANGES TO A PRIVATE SEWERAGE EASEMENT SHALL REQUIRE A REVISED PERC CERTIFICATION PLAN.

ALL REASONABLE EFFORTS WERE USED TO LOCATE AND SHOW ALL EXISTING WELLS, SEPTIC SYSTEMS AND SEWERAGE DISPOSAL EASEMENTS WITHIN 100 FEET OF THE SUBJECT PROPERTY BOUNDARIES.

TOPOGRAPHY IS AS PRESENTED ON ORIGINAL SITE PLAN BY BENCHMARK ENGINEERING, INC. DATED APRIL, 2002 & ACCURATELY REPRESENTS THE RELATIVE ELEVATION CHANGES ON AND NEAR THE SUBJECT PROPERTY.

EXISTING SEPTIC TANK, DISTRIBUTION BOX, AND INITIAL TRENCH IN EASEMENT MUST BE ABANDONED PRIOR TO BUILDING PERMIT APPROVAL.

A 2,000 GALLON SEPTIC TANK, NEW DISTRIBUTION BOX, AND NEW TRENCH IN EASEMENT MUST BE INSTALLED PRIOR TO BUILDING PERMIT APPROVAL.

**CERTIFICATIONS:**

I CERTIFY THAT THE INFORMATION SHOWN HEREON IS BASED ON FIELD WORK PERFORMED BY ME OR IN MY PRESENCE, OR UNDER MY DIRECT SUPERVISION, AND IS CORRECT, TO THE BEST OF MY KNOWLEDGE AND BELIEF.

SIGNATURE \_\_\_\_\_

DATE \_\_\_\_\_

OWNERS: TIMOTHY AND REGINA PEARSON  
2959 HUNT VALLEY DRIVE  
GLENWOOD, MD 21738

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS.

HEALTH OFFICER, HOWARD COUNTY HEALTH DEPARTMENT

DATE \_\_\_\_\_

