

# APPLICATION

## FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) \_\_\_\_\_ TEST TIME \_\_\_\_\_ A/P \_\_\_\_\_

AGENCY REVIEW: \_\_\_\_\_ DATE \_\_\_\_\_

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) Robert & Kimberly Walls & Dorsey Builders

DAYTIME PHONE 410-442-8200 CELL \_\_\_\_\_ FAX 410-442-8221

MAILING ADDRESS 492 E. Waterville Road Mount Airy Maryland 21771  
STREET CITY/TOWN STATE ZIP

APPLICANT Frederick Ward Associates, Inc

DAYTIME PHONE 410-720-0900 CELL \_\_\_\_\_ FAX 410-720-0220

MAILING ADDRESS 7125 Riverwood Drive, Columbia Maryland 21040  
STREET CITY/TOWN STATE ZIP

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

PROPERTY LOCATION  
SUBDIVISION/PROPERTY NAME Walls Property LOT NO. 9

PROPERTY ADDRESS 492 W. Waterville Road Mount Airy 21771  
STREET TOWN/POST OFFICE

TAX MAP PAGE(S) 2 GRID 15 PARCEL(S) 18 PROPOSED LOT SIZE 1ac.

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. \_\_\_\_\_  
SIGNATURE OF APPLICANT

HOWARD COUNTY HEALTH DEPARTMENT, BUREAU OF ENVIRONMENTAL HEALTH, WELL AND SEPTIC PROGRAM  
3525-H ELLICOTT MILLS DRIVE, ELLICOTT CITY, MARYLAND 21043-4544 (410) 313-1771 FAX (410) 313-2648  
TDD (410) 313-2323 TOLL FREE 1-877-4MD-DHMH

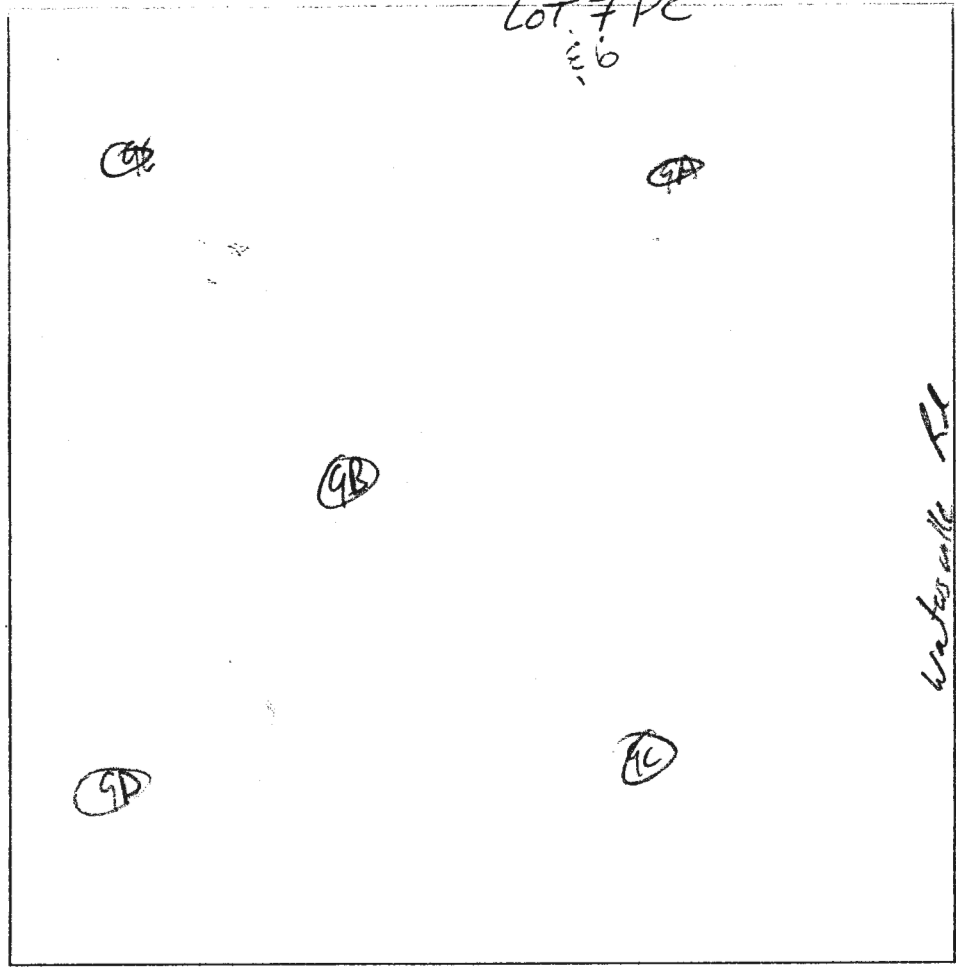
A/P 9A

Brown/tan  
cl 3'  
Red/Yellow  
Brown/tan  
Sil  
20-25%  
Phyllite  
Hard 7 1/2'

9E  
Brown/tan  
cl 3'  
Red/Brown  
tan/Yellow  
Sil  
L50%  
Phyllite  
Hard 6 1/2'

9B  
Brown/tan  
cl 2'  
Red/orange  
Yellow  
micaceous  
Sil  
35% Phyllite  
Hard 8 1/2'

LOT 7 PC  
E6

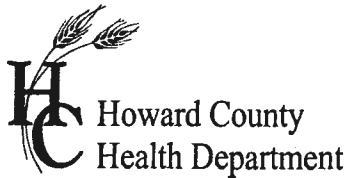


9D  
Brown/tan  
cl 2 1/2'  
Red/orange  
tan Sil  
w/L50%  
Phyllite  
Hard 6 1/2'

9C  
Brown/tan  
cl 2'  
Red/orange  
tan/Brown  
Sil 5 1/2'  
Red/orange  
tan  
Si  
30%  
Phyllite  
Hard 9'

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2nd INCH	P/F/H
9/15/84	9A	<del>3 1/2'</del> 7 1/2'	9:34	9:36	9:39	3min	P
	9B	<del>8 1/2'</del>	9:45	9:47	9:50	3min	P
	9E	- Visual	-	L50% Rock	-	-	F
	9D	- Visual	-	"	"	-	F
	9C	<del>3 1/2'</del> 9'	9:58	10:10	10:25	15min	P

REMARKS notes dug per plan.  
 SANITARIAN RB BACKHOE Dune OTHERS K. Hatfield  
 TEST HOLES USED IN SDA \_\_\_\_\_ AVG. PERC TIME \_\_\_\_\_ SQ. FT/BR \_\_\_\_\_  
 TRENCH WIDTH \_\_\_\_\_ INLET DEPTH \_\_\_\_\_ MAX. BOT DEPTH \_\_\_\_\_ EFFECTIVE SW \_\_\_\_\_



# APPLICATION

## FOR PERCOLATION TESTING AND SITE EVALUATION

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PROPERTY OWNER(S) \_\_\_\_\_

DAYTIME PHONE \_\_\_\_\_ CELL \_\_\_\_\_ FAX \_\_\_\_\_

MAILING ADDRESS \_\_\_\_\_  
STREET CITY/TOWN STATE ZIP

APPLICANT \_\_\_\_\_

DAYTIME PHONE \_\_\_\_\_ CELL \_\_\_\_\_ FAX \_\_\_\_\_

MAILING ADDRESS \_\_\_\_\_  
STREET CITY/TOWN STATE ZIP

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

PROPERTY LOCATION  
SUBDIVISION/PROPERTY NAME \_\_\_\_\_ LOT NO. Pres Parcel & Lot 7

PROPERTY ADDRESS \_\_\_\_\_  
STREET TOWN/POST OFFICE

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

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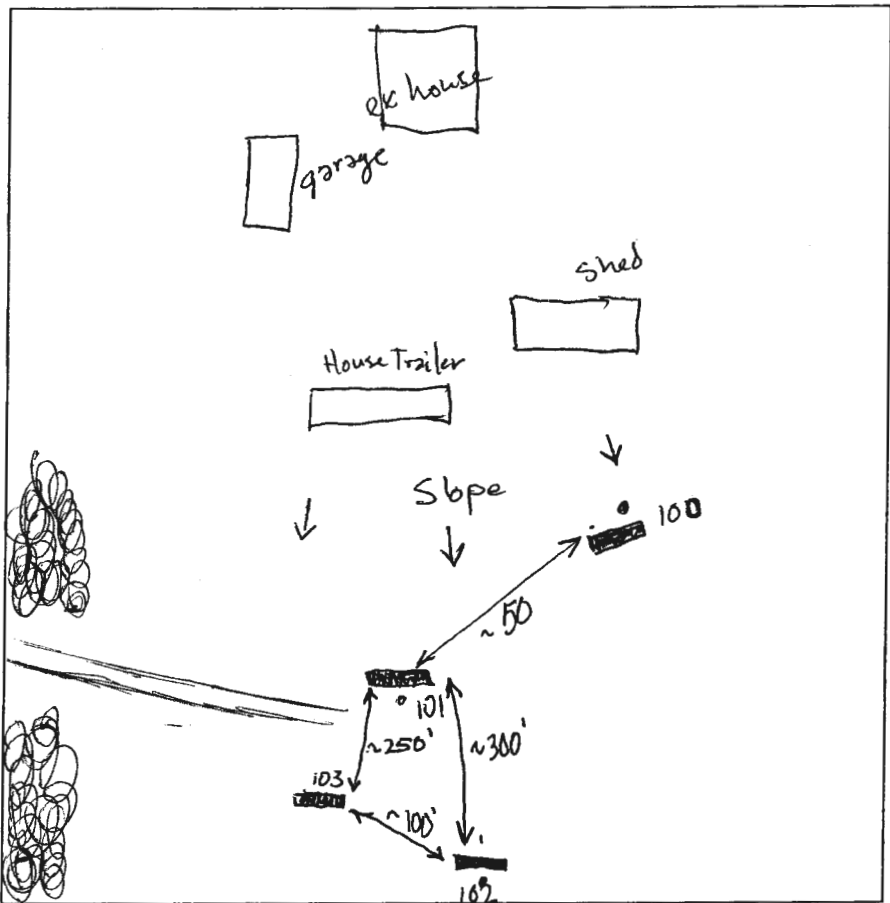
HOWARD COUNTY HEALTH DEPARTMENT, BUREAU OF ENVIRONMENTAL HEALTH, WELL AND SEPTIC PROGRAM  
7178 COLUMBIA GATEWAY DRIVE COLUMBIA, MARYLAND 21046 (410) 313-2640 FAX (410) 313-2648  
TDD (410) 313-2323 TOLL FREE 1-877-4MD-DHMH

AP

100  
 Brown Chan. gr. Lm  
 Yellow Brown Ch. Sil ~30%  
 Red Yellow Chan. Sil - SiCL  
 Yellow Red Chan Lm w/ ~45% Chan. & few flags of pyllite  
 HARD

101  
 Brn Chan. gr. Lm  
 Yellow Brn Chan. Sil ~20%  
 Red Yellow Ch. Sil - SiCL ~20%  
 Yellow Red Chan Lm ~35-40% channers - flags (few)  
 HARD

102  
 Brown Chan Lm  
 Str. Brn Chan. Sil - SiCL - 20%  
 Brown Chan. Lm ~40-50% Channers - few flags  
 HARD



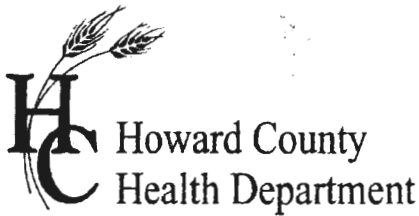
DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
7/12	100	3'/10	1:50	2:05	2:25	20m	P
	101	3 1/2'/10	2:01	2:28	Pulled < 1" in 30m		
See plan for locations	102	3 1/2'/10	2:38	2:52	Pulled @ 3:35		
	103	3 1/2'/10	3:33	3:43	3:53	10m	P
	101	4 1/2'/10	2:59	3:20	Pulled slow		
	102	4'/10	4:10	4:23	4:53	30m	P
	101	5'/10	4:33	4:42	5:00	18m	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 \_\_\_\_\_



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## FOR PERCOLATION TESTING AND SITE EVALUATION

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AP 521569

AGENCY REVIEW: \_\_\_\_\_

DATE 11/9/04

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PROPERTY OWNER(S) ROBERT + KIMBERLY WALLS C/O DORSEY BUILDERS

DAYTIME PHONE 410-442-8200 CELL \_\_\_\_\_ FAX \_\_\_\_\_

MAILING ADDRESS 492 E WATERSVILLE RD, MOUNT AIRY MD 21771  
STREET CITY/TOWN STATE ZIP

APPLICANT ROBERT VOGLER ENGINEERING, INC

DAYTIME PHONE \_\_\_\_\_ CELL \_\_\_\_\_ FAX \_\_\_\_\_

MAILING ADDRESS 8407 MAIN STREET E.C. MD 21043  
STREET CITY/TOWN STATE ZIP

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

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

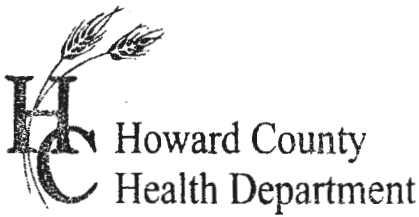
PROPERTY ADDRESS 492 W. WATERSVILLE RD, MOUNT AIRY 21771  
STREET TOWN/POST OFFICE

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PROPERTY OWNER(S) Robert & Kimberly Walls 90 Dorsey Builders

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STREET CITY/TOWN STATE ZIP

APPLICANT Frederick Ward Associates, Inc

DAYTIME PHONE 410-720-6900 CELL \_\_\_\_\_ FAX 410-720-0220

MAILING ADDRESS 7125 Riverwood Drive, Columbia Maryland 21040  
STREET CITY/TOWN STATE ZIP

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

PROPERTY LOCATION  
SUBDIVISION/PROPERTY NAME Walls Property LOT NO. 8

PROPERTY ADDRESS 492 W. Waterville Road Mount Airy 21771  
STREET TOWN/POST OFFICE

TAX MAP PAGE(S) 2 GRID 15 PARCEL(S) 18 PROPOSED LOT SIZE 1ac.

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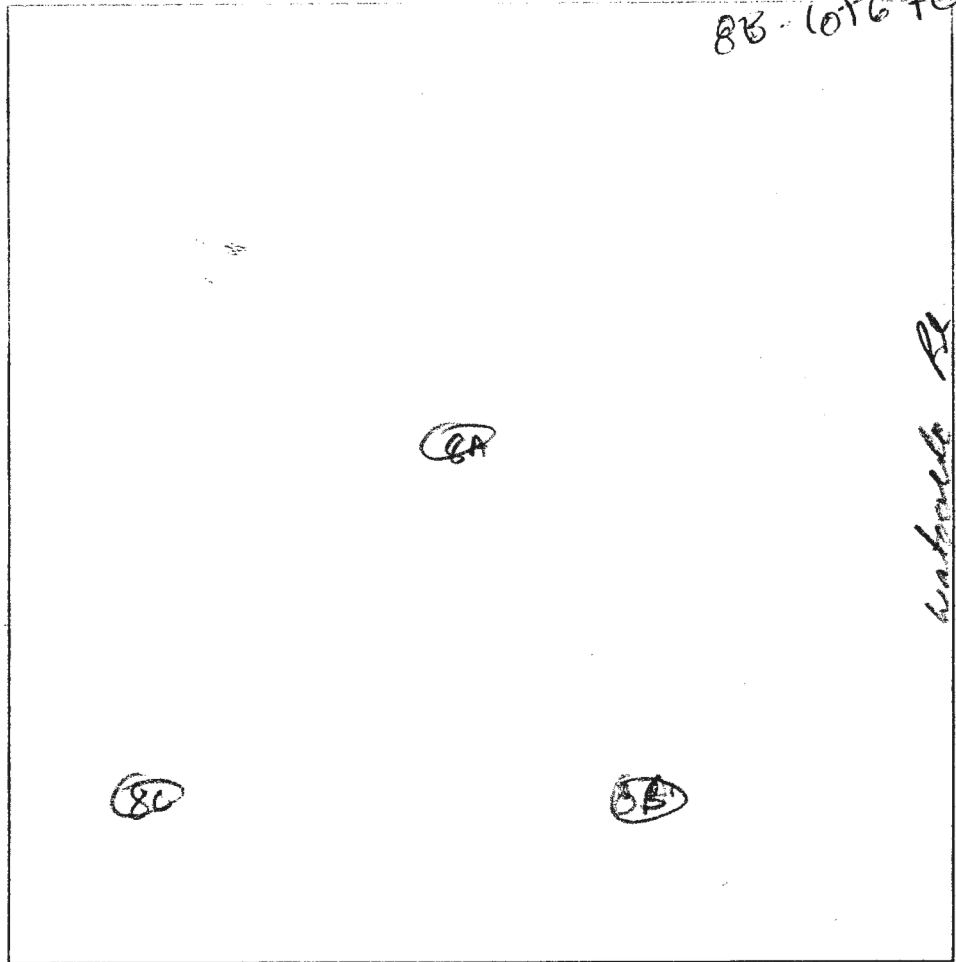
SIGNATURE OF APPLICANT

HOWARD COUNTY HEALTH DEPARTMENT, BUREAU OF ENVIRONMENTAL HEALTH, WELL AND SEPTIC PROGRAM  
3525-H ELLICOTT MILLS DRIVE, ELLICOTT CITY, MARYLAND 21043-4544 (410) 313-1771 FAX (410) 313-2648  
TDD (410) 313-2323 TOLL FREE 1-877-4MD-DHMH

APP 8A  
 Browns/tan  
 CL  
 2'  
 Red/Orange  
 Browns  
 Scl  
 40%  
 phyllite  
 hard 9'

8C  
 Browns/tan  
 CL  
 2'  
 Red/Orange  
 tan/Brown  
 Scl  
 with  
 strong phyllite  
 L50%  
 hard 7'

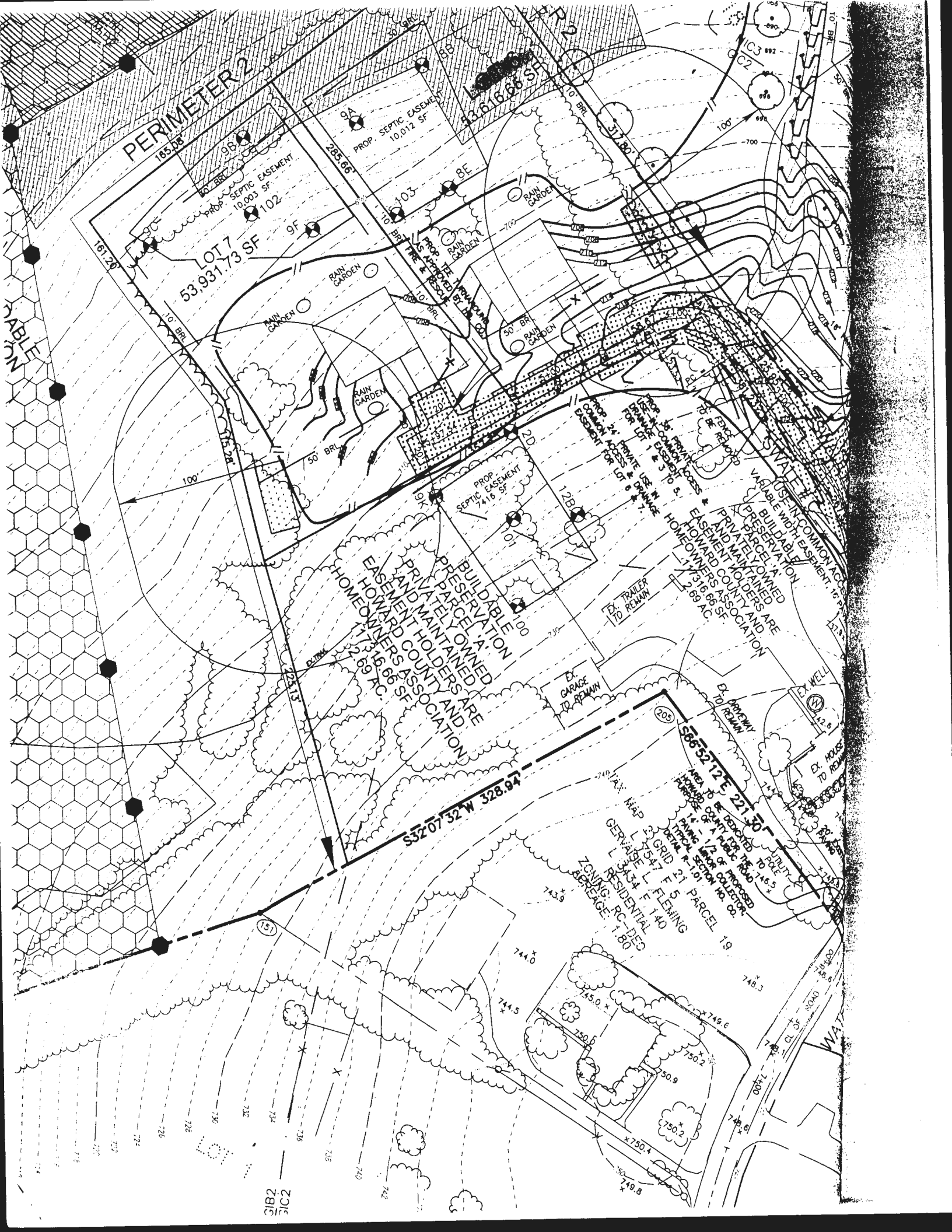
8B  
 Browns/tan  
 CL  
 3'  
 Red/Orange  
 tan  
 Scl  
 5 1/2'  
 Pink/Yellow  
 Brown  
 Scl  
 hard 11'



DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2nd INCH	P/F/H
4/15/04	8A	3 1/2' / 9'	9:03	9:03:30	9:04	30 sec	F
		3 1/2' / 9'	9:04:30	9:05	9:05:30	30 sec	F
LOT 6 on PL	8B	5 1/2' / 11'	9:14	9:30	9:48	18 min	P
	8C	7'	Visual	-	Rock-		F

REMARKS Notes dug per plan  
 SANITARIAN KB BACKHOE Dennis OTHERS R Hatfield  
 TEST HOLES USED IN SDA \_\_\_\_\_ AVG. PERC TIME \_\_\_\_\_ SQ. FT/BR \_\_\_\_\_  
 TRENCH WIDTH \_\_\_\_\_ INLET DEPTH \_\_\_\_\_ MAX. BOT DEPTH \_\_\_\_\_ EFFECTIVE SW \_\_\_\_\_





PERIMETER 2

LOT 7  
53,931.73 SF

PRESERVATION BUILDABLE  
PRIVATELY OWNED  
PARCELS MAINTAINED  
BY HOWARD COUNTY AND  
HOMEOWNERS ASSOCIATION

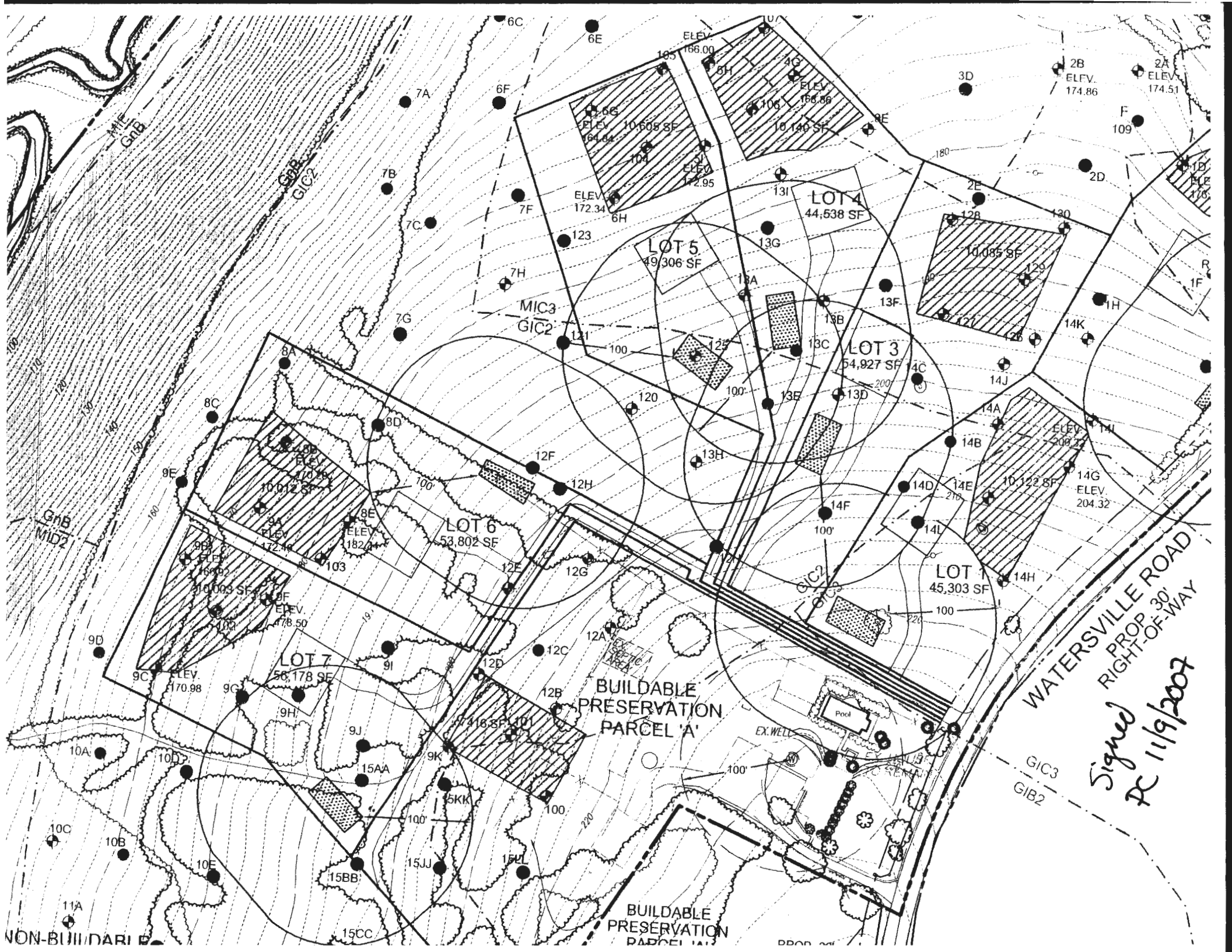
AREA TO BE DEMOLISHED TO BE REDEVELOPED TO BE USED AS A PUBLIC TRAILER RAMP 1/2 OF PROPOSED TRAILER RAMP COLLECTOR  
DRAINAGE MAP  
GRID 21 PARCEL 19  
GERVAISE L FLEHING  
L 3A34 F 140  
RESIDENTIAL  
ZONING: RC-DEQ  
ACREAGE: 1.80

USE IN COMMON ACCORDANCE WITH EASEMENT 16  
PRESERVATION BUILDABLE  
PRIVATELY OWNED PARCELS MAINTAINED BY HOWARD COUNTY AND HOMEOWNERS ASSOCIATION

BUILDABLE

BIB2  
CIC2

WATER



Signed  
 PC 11/9/2007

P/O  
NON BUILDABLE  
BULK PARCEL C

NON BUILDABLE  
BULK PARCEL C

BUILDABLE  
PRESERVATION  
PARCEL 'A'

LOT 4  
53,617 S.F.

LOT 3  
54,952 S.F.

LOT 1  
46,673 S.F.

LOT 2  
53,662 S.F.

TO BE PRIVATELY OWNED  
WITH HOWARD COUNTY AND  
HOME OWNER'S ASSOCIATION  
AS EASEMENT HOLDERS  
SEE NOTE 22 ON SHEET 1

GERVAISE V. FLEMING  
LIBER 3434, FOLIO 140  
LIBER 7547, FOLIO 5  
MAP 2, PARCEL 19

*Plat of Rev...*  
*F-09-110*  
*Signed April 12, 2011*  
*Plat 21740*

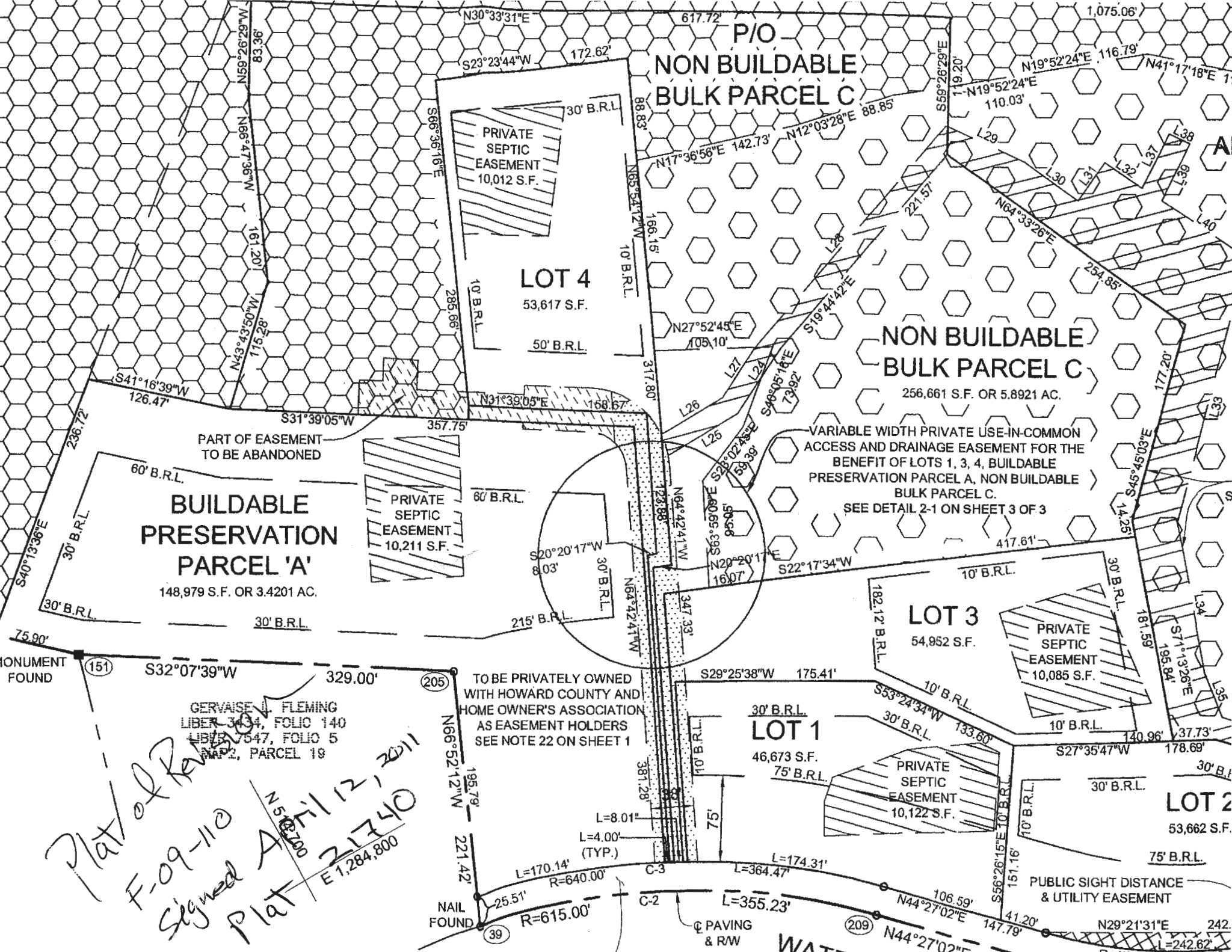
NAIL FOUND (39)

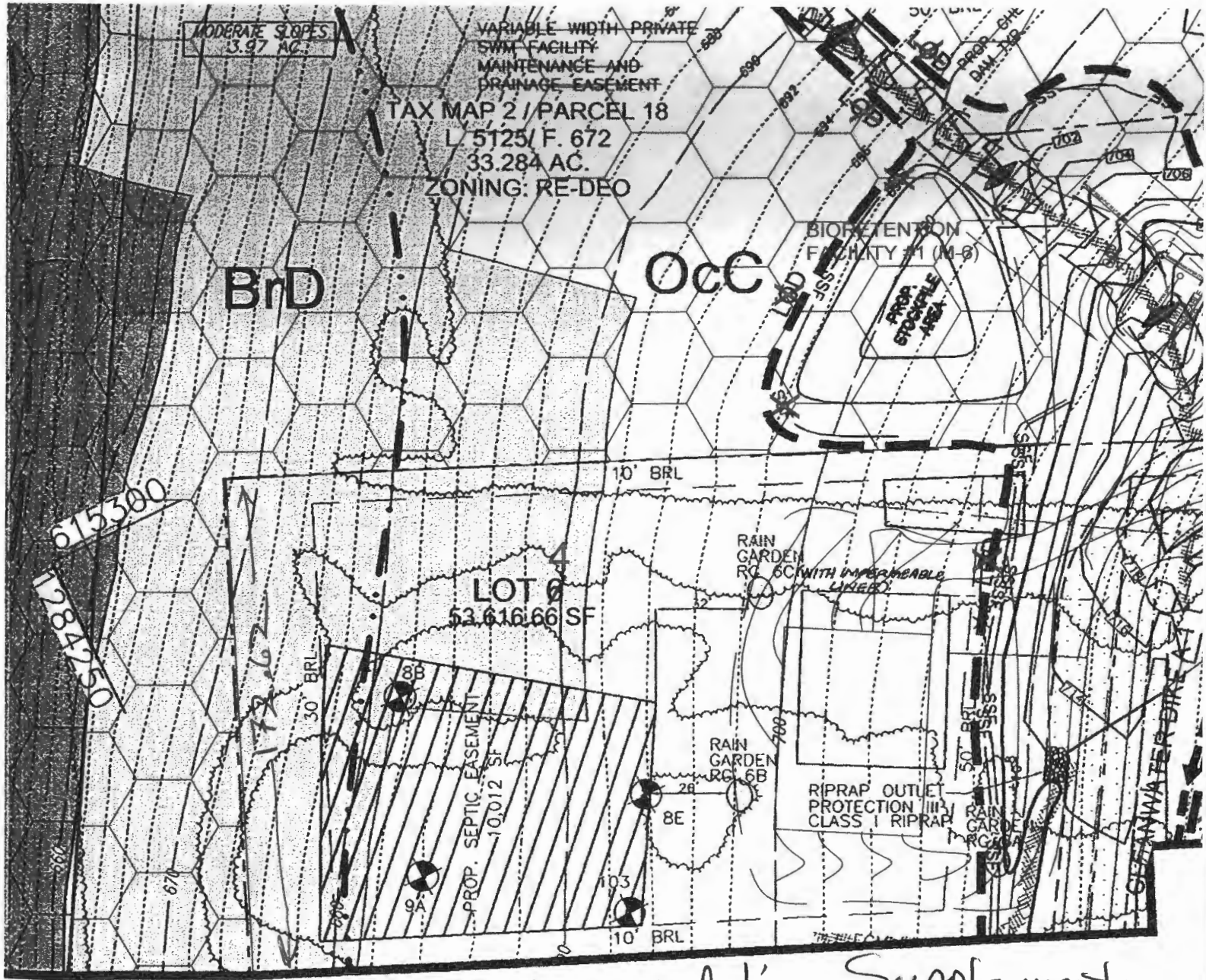
PAVING & RW

PUBLIC SIGHT DISTANCE  
& UTILITY EASEMENT

WATER

MONUMENT FOUND





*copy red-line Supplement to F-09-110*

DEVELOPER'S CERTIFICATE

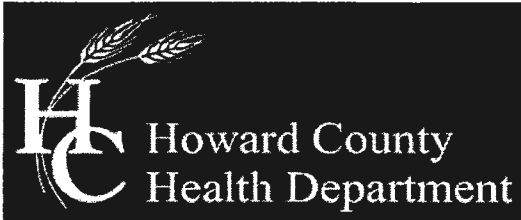
"I HEREBY CERTIFY THAT THIS PLAN FOR SEDIMENT CONTROL AND EROSION REPRESENTS A PRACTICAL AND WORKABLE PLAN FOR THE CONTROL OF SEDIMENT AND EROSION FOR THE PROJECT. I ALSO AUTHORIZE PERIODIC INSPECTIONS BY THE HOWARD SOIL CONSERVATION DISTRICT."

*ra A. Carr*  
DEVELOPER

ENGINEER'S CERTIFICATE

"I HEREBY CERTIFY THAT THIS PLAN FOR SEDIMENT CONTROL AND EROSION REPRESENTS A PRACTICAL AND WORKABLE PLAN FOR THE CONTROL OF SEDIMENT AND EROSION FOR THE PROJECT. I ALSO AUTHORIZE PERIODIC INSPECTIONS BY THE HOWARD SOIL CONSERVATION DISTRICT."

*D. [Signature]*  
SIGNATURE OF ENGINEER



Bureau of Environmental Health

8930 Stanford Boulevard, Columbia, MD 21045

Main: 410-313-2640 | Fax: 410-313-2648

TDD 410-313-2323 | Toll Free 1-866-313-6300

www.hchealth.org

Facebook: www.facebook.com/hocohealth

Twitter: HowardCoHealthDep

Maura J. Rossman, M.D., Health Officer

SEWAGE DISPOSAL SYSTEM SPECIFICATIONS WORKSHEET

Address: 572 Watersville Road

Subdivision: Hay Meadow Overlook Lot: 4

Initial system: Application rate: 0.8 Effective area beginning depth: 3 Bottom maximum depth: 3.5

1st Replacement: Application rate: 0.8 Effective area beginning depth: 3 Bottom maximum depth: 3.5

2nd Replacement: Application rate: 0.6 Effective area beginning depth: 3 Bottom maximum depth: 3.5

Design Flow = 150 gallons per day per bedroom

Design flow ÷ application rate = square footage of drainfield required

Linear length of trench required = drainfield square footage x sidewall reduction percentage ÷ trench width

Sidewall reduction credit formula:

(W + 2) / (W + 1 + 2D) x 100 = Percent of length of standard trench where W=trench width and D= depth between effective area beginning depth and trench bottom.

Standard design requirements:

- Trenches must be located to provide room for 3 systems in the disposal area
All trenches must be equal length unless low pressure dosed
All trenches must be on contour
Tank and trenches must be placed as shallow as possible while maintaining 2% fall in pipe from house and at least 18" cover over trenches. If 2% fall from house is not possible, the minimum allowable fall is 1%.
Minimum trench spacing: 10' for all trenches utilizing sidewall reduction credit. Additional spacing may be necessary for any trench using over 3.5' of effective sidewall. In those cases, the spacing formula is 2D + W up to a maximum spacing of 18'.
Minimum trench spacing for trenches with no sidewall credit (bottom area only) is 6' for a 2' wide trench and 9' for a 3' wide trench (spacing is measured edge to edge)
Maximum trench length is 100'
Maximum pipe depth is 4'

Additional requirements:

Approved: R Bricker Date: 2/6/2020