



APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) _____ TEST TIME _____ AP 532533

AGENCY REVIEW: _____ DATE 2-25-10

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) PATRICIA L. BOYER

DAYTIME PHONE _____ CELL _____ FAX _____

MAILING ADDRESS 2857 GLENWOOD SPRINGS DR. GLENWOOD MD. 21738
STREET CITY/TOWN STATE ZIP

APPLICANT CHARLES R. CROCKEN & ASSOC, INC.

DAYTIME PHONE 410-549-2708 CELL _____ FAX _____

MAILING ADDRESS 902 LEE AVE. SYKESVILLE MD. 21784
STREET CITY/TOWN STATE ZIP

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

PROPERTY LOCATION
SUBDIVISION/PROPERTY NAME THE PATRICIA L. BOYER PROPERTY LOT NO. 5

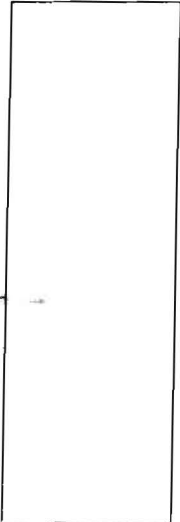
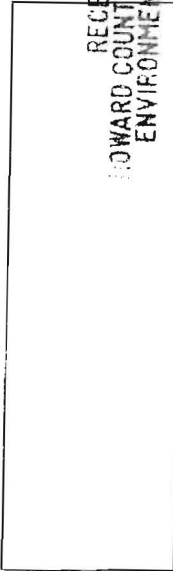
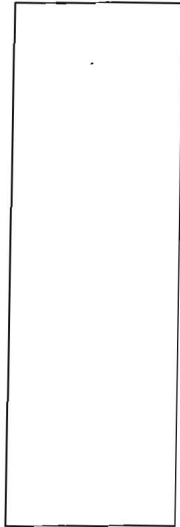
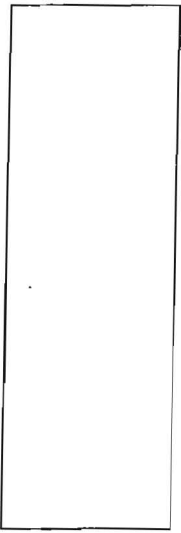
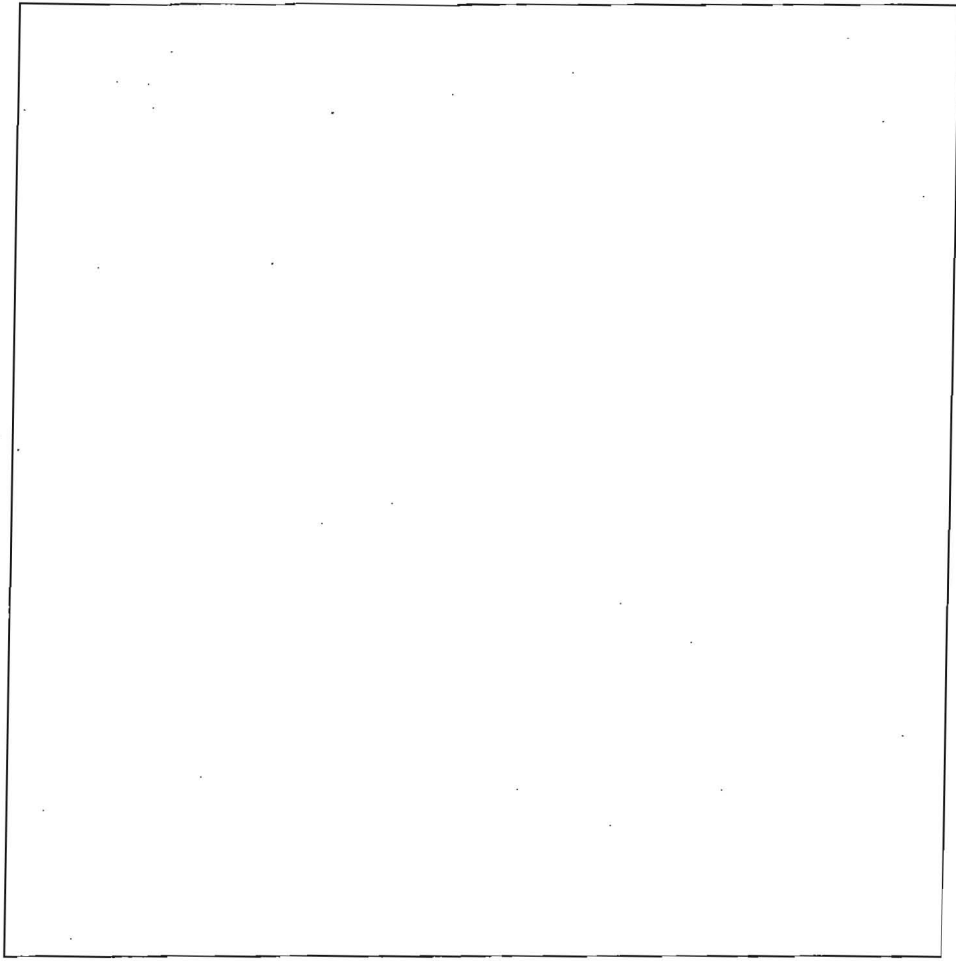
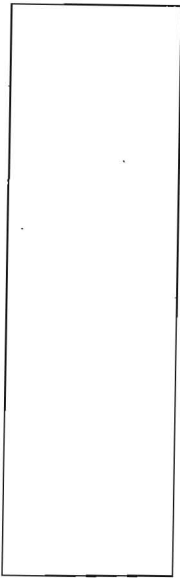
PROPERTY ADDRESS _____ STREET _____ TOWN/POST OFFICE _____

TAX MAP PAGE(S) 14 50 GRID 23 4E PARCEL(S) 103 PROPOSED LOT SIZE 4 AC. ±

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.

Charles R. Crocken
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



RECEIVED
HOWARD COUNTY HEALTH DEPT.
ENVIRONMENTAL HEALTH

2010 FEB 25 PM 4:01

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 S/W _____



Howard County
Health Department

APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) 3/31/2010 TEST TIME 9:30 A/P 530533
 AGENCY REVIEW: _____ DATE 2-25-10

DO NOT WRITE ABOVE THIS LINE

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- 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)
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PROPERTY OWNER(S) PATRICA L. BOYER

DAYTIME PHONE _____ CELL _____ FAX _____

MAILING ADDRESS 2057 GLENWOOD SPRINGS DR. GLENWOOD MD. 21738
 STREET CITY/TOWN STATE ZIP

APPLICANT CHARLES R. CRODGEN & ASSOC., INC.

DAYTIME PHONE 410 549-2708 CELL _____ FAX _____

MAILING ADDRESS 902 LEE AVE SYKESVILLE MD. 21784
 STREET CITY/TOWN STATE ZIP

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

PROPERTY LOCATION
 SUBDIVISION/PROPERTY NAME THE PATRICA L. BOYER PROPERTY LOT NO. 6

PROPERTY ADDRESS _____
 STREET TOWN/POST OFFICE

TAX MAP PAGE(S) 50 GRID 12 PARCEL(S) 103 PROPOSED LOT SIZE 9.1 AC. ±

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
 7178 COLUMBIA GATEWAY DRIVE COLUMBIA, MARYLAND 21046 (410) 313-1771 FAX (410) 313-2648
 TDD (410) 313-2323 TOLL FREE 1-877-4MD-DHMH

AP _____

Empty rectangular box for notes or identification.

Large empty rectangular box for detailed notes or diagrams.

Empty rectangular box for notes or identification.

Empty rectangular box for notes or identification.

Empty rectangular box for notes or identification.

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

Empty rectangular box for notes or identification.

RECEIVED
HOWARD COUNTY HEALTH DEPT.
ENVIRONMENTAL HEALTH
2010 FEB 25 PM 4:00

REMARKS _____

SANITARIAN _____ BACKHOE _____ OTHERS _____

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

TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SW _____



Howard County Health Department

APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) _____ TEST TIME _____ AP 532535

AGENCY REVIEW: _____ DATE 2-25-10

DO NOT WRITE ABOVE THIS LINE

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IS THE PROPERTY WITHIN 2500' OF ANY RESERVOIR?

- YES
- NO

THE TYPE OF STRUCTURE IS:

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- INSTITUTIONAL/GOVERNMENT (PROVIDE DETAIL OF NUMBERS AND TYPES OF EMPLOYEES/USERS ON ACCOMPANYING PLAN)

PROPERTY OWNER(S) PATRICIA L. BOYER.

DAYTIME PHONE _____ CELL _____ FAX _____

MAILING ADDRESS 2857 GLENWOOD SPRINGS GLENWOOD MD, 21784
STREET CITY/TOWN STATE ZIP

APPLICANT CHARLES R. CROCKEN & ASSOC. INC.

DAYTIME PHONE 410-549-5780 CELL _____ FAX _____

MAILING ADDRESS 902 LEE AVE SYKESVILLE MD, 21784
STREET CITY/TOWN STATE ZIP

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

PROPERTY LOCATION
SUBDIVISION/PROPERTY NAME THE PATRICIA L. BOYER PROPERTY LOT NO. 7

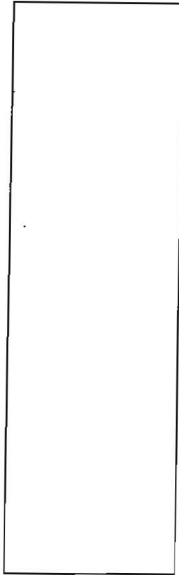
PROPERTY ADDRESS _____
STREET TOWN/POST OFFICE

TAX MAP PAGE(S) 50 GRID 12 PARCEL(S) 103 PROPOSED LOT SIZE 3.3 AC.

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.

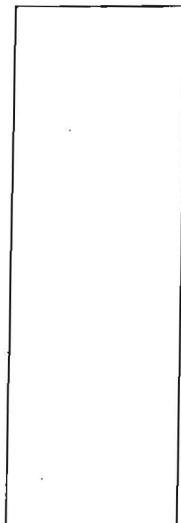
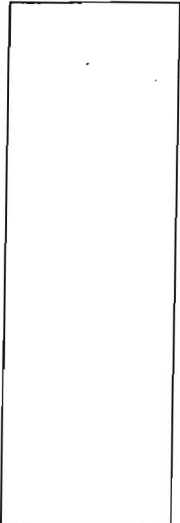
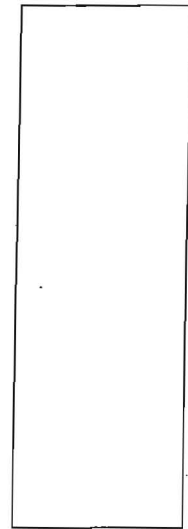
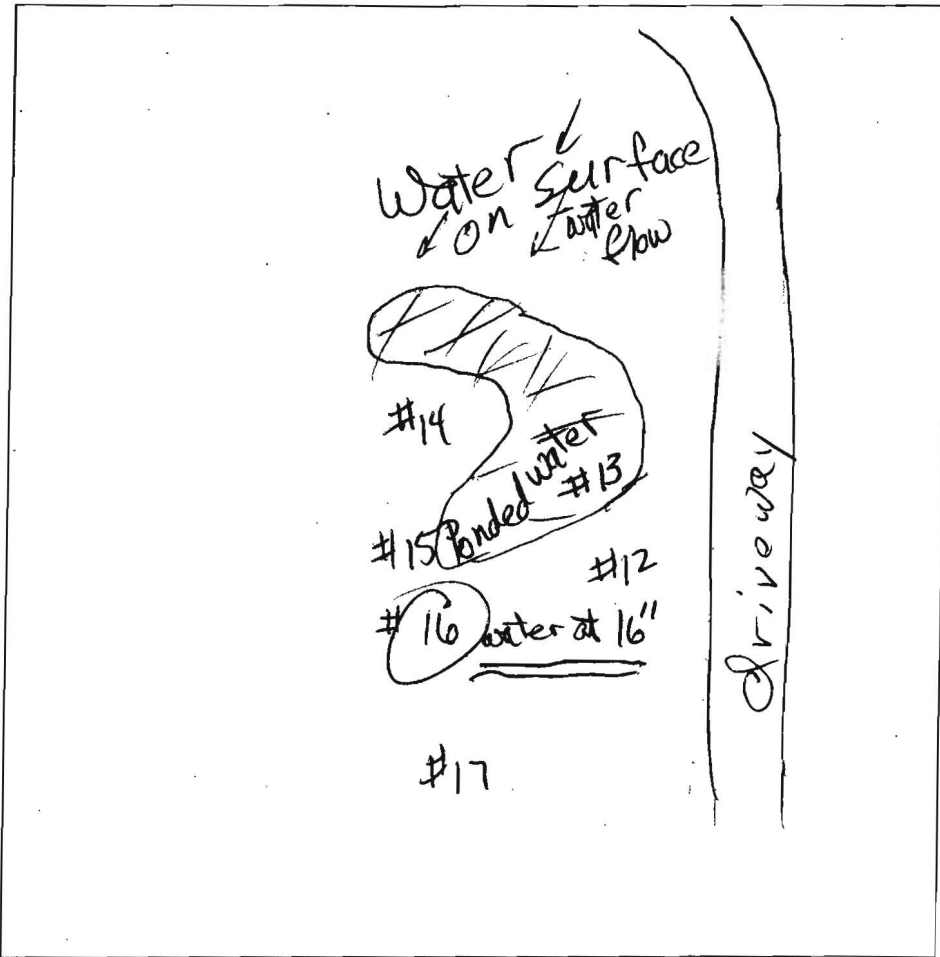
SIGNATURE OF APPLICANT

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



RECEIVED
HOWARD COUNTY HEALTH DEPT.
ENVIRONMENTAL HEALTH

2010 FEB 25 PM 4:00

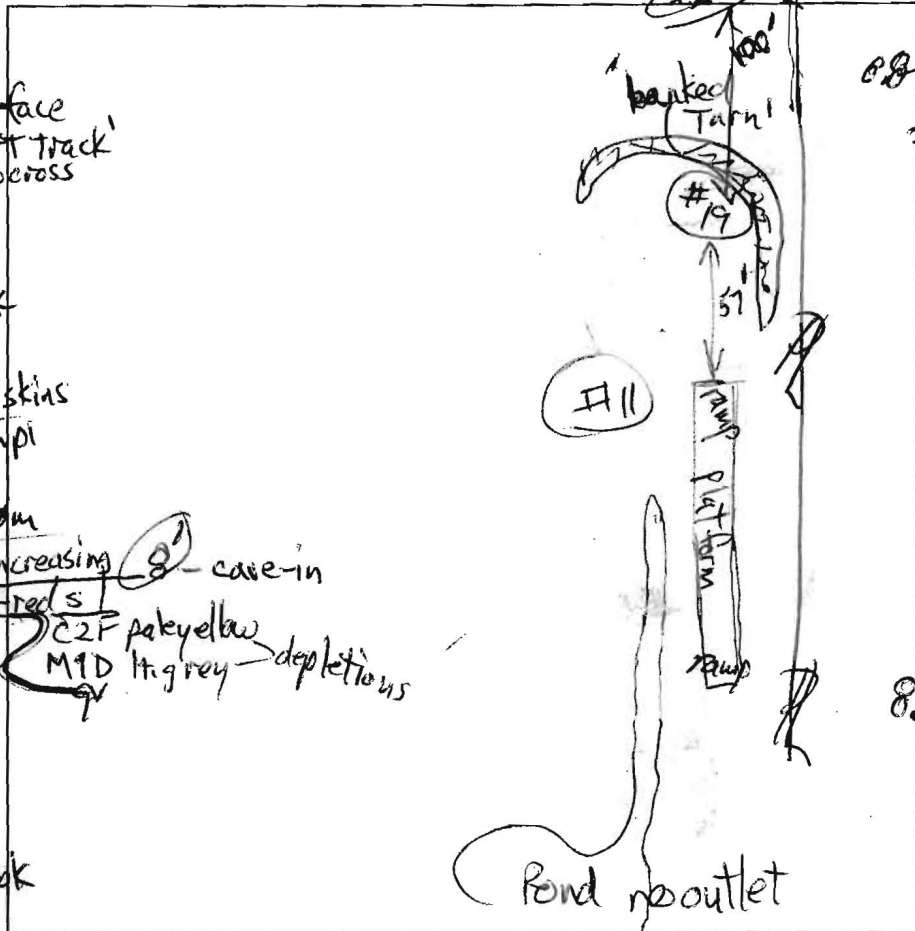


DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
3/31/10	16	16"	Visual			perched water sticky sc	Fail
3/31/10	14	Visual				ponded water w/ 10'-15' on 3 sides	Fail
3/31/10	13	Visual				ponded water	Fail
3/31/10	15	Visual				ponded water	Fail

REMARKS Proposed 'Lot 7'
 SANITARIAN RB BACKHOE NA OTHERS Bud & Buddy Cracken M.S. London
 TEST HOLES USED IN SDA NONE AVG. PERC TIME _____ SQ. FT/BR _____
 TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SW _____



#19
 Original surface removed - 'dirt track' not across
 0' Hel brown to red brown
 1' scl. 2f sbk to 2msbk
 2' red-brn scl
 3' 2 mpi clay skins
 4.5' yel red heavily s many mica
 yel-red fsl dm
 moisture increasing
 8' pale brn & yel-red s
 grey s
 9' many mica
 10' +



#11
 0.8' brn sl many mica
 2.8' yel-red sl
 yel-red sl
 C20 dk. brn striations
 pale brn sl with C1d yel-red & C2d grey
 water seeps at 5.2'
 7.7' cave-in grey sl w/ m1d red-yel & yel-red
 m1d dk brn (Mn)
 8.8'

#20
 0.4' dk brn scl 2fg
 yel brn scl 2f sbk
 1.7' yel-red sl heavy 1msbk
 2.5' yel-red sl many mica 1cpi
 5' yel-red sl dm few black grains
 8.0' pale brn fsl
 w/m 1f yel-red & red-yel
 many fine grey grains
 water seep at 8.2'
 8.8'

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
3/31/10	19	5.5' / 8'	11:28	11:44	12:00	16	P within 4' buffer
	reshelf 19	4.3' / 8'	12:05	12:20	12:36	16	P
3/31/10	11	5.2'	seasonal water table indicators at 4'				For morphology & water seeps
3/31/10	20	3.7' / 8'	1:22	1:28	1:38	10	P
3/31/10	16	16"	Visual, perched water sticky sc				Fail

#16
 dk brn sl
 f. lf grey
 16"
 yel-brn scl sticky
 22"
 pale yellow
 C1 & lt. grey
 27"

REMARKS: Proposed Lot 5 was not evaluated
 SANITARIAN: RB BACKHOE: Juan OTHERS: Bud & Buddy Crocker
 TEST HOLES USED IN SDA: 19 & 20 AVG. PERC TIME: Ms. Larson SQ. FT/HR:
 TRENCH WIDTH: 2013 INLET DEPTH: 2 MAX. BOT DEPTH: 8 EFFECTIVE SW: 1

CHARLES R. CROCKEN & ASSOCIATES, INC.

Civil Engineering and Land Planning
902 Lee Avenue Sykesville, MD 21784
crcenr2@comcast.net

February 24, 2010

Bureau of Environmental Health
Well and Septic Program
7178 Columbia Gateway Drive
Columbia, MD 21048

SUBJECT: Patricia Boyer Property - Re-subdivision of Lot 3
Tax Map 14, Parcel 103
3024 Hobbs Road

Attention, Rob Bricker,

Mrs Patricia Boyer subdivided her property into three lots in August, 1999. Percolation testing for six lots was done in November, 1998. Due to wet soils encountered during testing it was recommended that final approval of Lot #5 and Lot #6 (see current plan) be deferred to the wet weather season. Also, a high water table was encountered on Lot 7 (current plan) . It was decided that perhaps testing for a sand mound would be in order.

Mrs. Boyer would like to proceed with approval of Lot 5 and Lot 6 and conducting sand mound percolation tests for Lot 7 at this time. We have enclosed a copy of the March, 1999 Percolation Test Certification Plan as well as four copies of the Preliminary Plan for Re-subdivision of Lot 3 along with the applications and fee for the testing. the lots.

The location and layout of the proposed sand mounds on Lot 7 was based upon at 15 minute test in keeping with the average percolation test time of March 1999.

We trust you will find above information satisfactory. Should you require any additional information do not hesitate to contact our office at (410) 549-2708. We look forward to conducting the additional tests as soon as possible.

Sincerely,



Charles R. Crocken P.E.
President

encl
boyer hd let

00:11:11

CHARLES R. CROCKEN
& ASSOCIATES, INC.
Civil Engineering and Land Planning
902 Lee Avenue Sykesville, MD 21784
Tel. 410-549-2708 Fax. 410-549-9063

JOB BOYER PROPERTY LOT #4
SHEET NO. _____ OF _____
CALCULATED BY CRC DATE 2/24/10
CHECKED BY _____ DATE _____
SCALE _____

BOYER PROPERTY
RE-SUBDIVISION OF LOT #3
3024 HOBBS ROAD.

PRELIMINARY SAND MOUND LAYOUT
FOR PERCOLATION TESTING

FILE 52 1017:01

BY: CHARLES R. CROCKEN P.E.
MD. REG. 7803.

PRELIMINARY SAND MOUND LAYOUT FOR PERCOLATION TESTING

AVER TIME 11/19/98 \approx 15 MINUTES.
X-SLOPE 5'/200' = 2.5% \pm (SEE PLAN)

CRITERIA: DESIGN & CONSTRUCTION MANUAL
FOR
SAND MOUND SYSTEMS
BY, MD. DEPT. ENVIRONMENT.

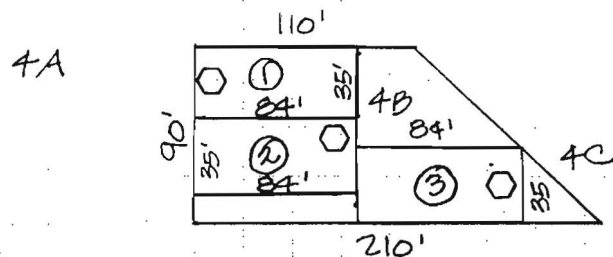
SOIL = GN B GLENVILLE SILT LOAM.

ASSUME 4-BEDROOM HSE. $Q = 600$ GPD
500 SQ. FT. ABSORPTIVE AREA.

USE SLOPE 6% BED = 9' x 56' (TABLE 2.2.)
AREA = 35' x 84'

TOTAL AREA = 8,820 $\#$ \approx 84' x 105' (MIN.)

(PROPOSED) SDA. LOT #4 = 14,400 $\#$



PROPOSED TESTS 4A, 4B & 4C.

JUL 22 10 11:01

TABLE 2.2
APPROXIMATE SAND MOUND DIMENSIONS AND AREA REQUIREMENTS
FOR SITES WITH PERCOLATION RATES LESS THAN 45 MINUTES PER INCH^a

Three Bedroom (450 gpd) 375 Square Feet Absorptive Area					
Percent of Slope	6 × 62.5	9 × 42	12 × 31	15 × 25	Absorption Bed Dimensions (Ft.)
0%	29 × 88 2552	32 × 68 2176	35 × 57 1995	38 × 51 1938	Final Dimensions (Ft.) (Square Feet)
6%	31 × 90 2790	34 × 70 2380	39 × 59 2301	42 × 54 2268	Final Dimensions (Ft.) (Square Feet)
12%	36 × 91 3276	41 × 71 2911	45 × 61 2745	50 × 56 2800	Final Dimensions (Ft.) (Square Feet)
Four Bedroom (600 gpd) 500 Square Feet Absorptive Area					
Percent of Slope	6 × 83	9 × 56	12 × 41	15 × 33	Absorption Bed Dimensions (Ft.)
0%	29 × 106 3074	32 × 82 2624	35 × 67 2345	38 × 59 2242	Final Dimensions (Ft.) (Square Feet)
6%	31 × 110 3410	35 × 84 2940	39 × 69 2691	42 × 62 2604	Final Dimensions (Ft.) (Square Feet)
12%	36 × 111 3996	40 × 85 3400	45 × 71 3195	50 × 65 3250	Final Dimensions (Ft.) (Square Feet)
Five Bedroom (750 gpd) 625 Square Feet Absorptive Area					
Percent of Slope	9 × 70	12 × 52	15 × 42		Absorption Bed Dimensions (Ft.)
0%	32 × 96 3072	35 × 78 2730	38 × 68 2584		Final Dimensions (Ft.) (Square Feet)
6%	35 × 98 3430	39 × 80 3120	42 × 71 2982		Final Dimensions (Ft.) (Square Feet)
12%	40 × 99 3960	45 × 82 3690	50 × 73 3650		Final Dimensions (Ft.) (Square Feet)

^a Based on mounds having 24 in. upslope sand fill depth.

F.Y.I.

CHARLES R. CROCKEN & ASSOCIATES, INC.

Civil Engineering and Land Planning
902 Lee Avenue Sykesville, MD 21784
crcenr2@comcast.net

April 14, 2010

Bureau of Environmental Health
Well and Septic Program
7178 Columbia Gateway Drive
Columbia, MD 21048

SUBJECT: Patricia Boyer Property - Re-subdivision of Lot 3
Tax Map 14, Parcel 103
3024 Hobbs Road


Attention, Rob Bricker,

As you know we recently attempted to conduct percolation tests on the Boyer property. However due to unforeseen problems with the site we were only able to conduct tests on one of the proposed three lots. Therefore, we respectfully request the Health Department refund the percolation test fees for the two lots which were not tested in the amount of $2 \times \$518.00 = \$1,036.00$.

Please submit the refund directly to Mrs Patricia Boyer, 3024 Hobbs Road Glenwood, MD 21738.

We appreciate the Health Dept's Cooperation in this matter. If you have any questions do not hesitate to contact our office at (410) 549-2708.

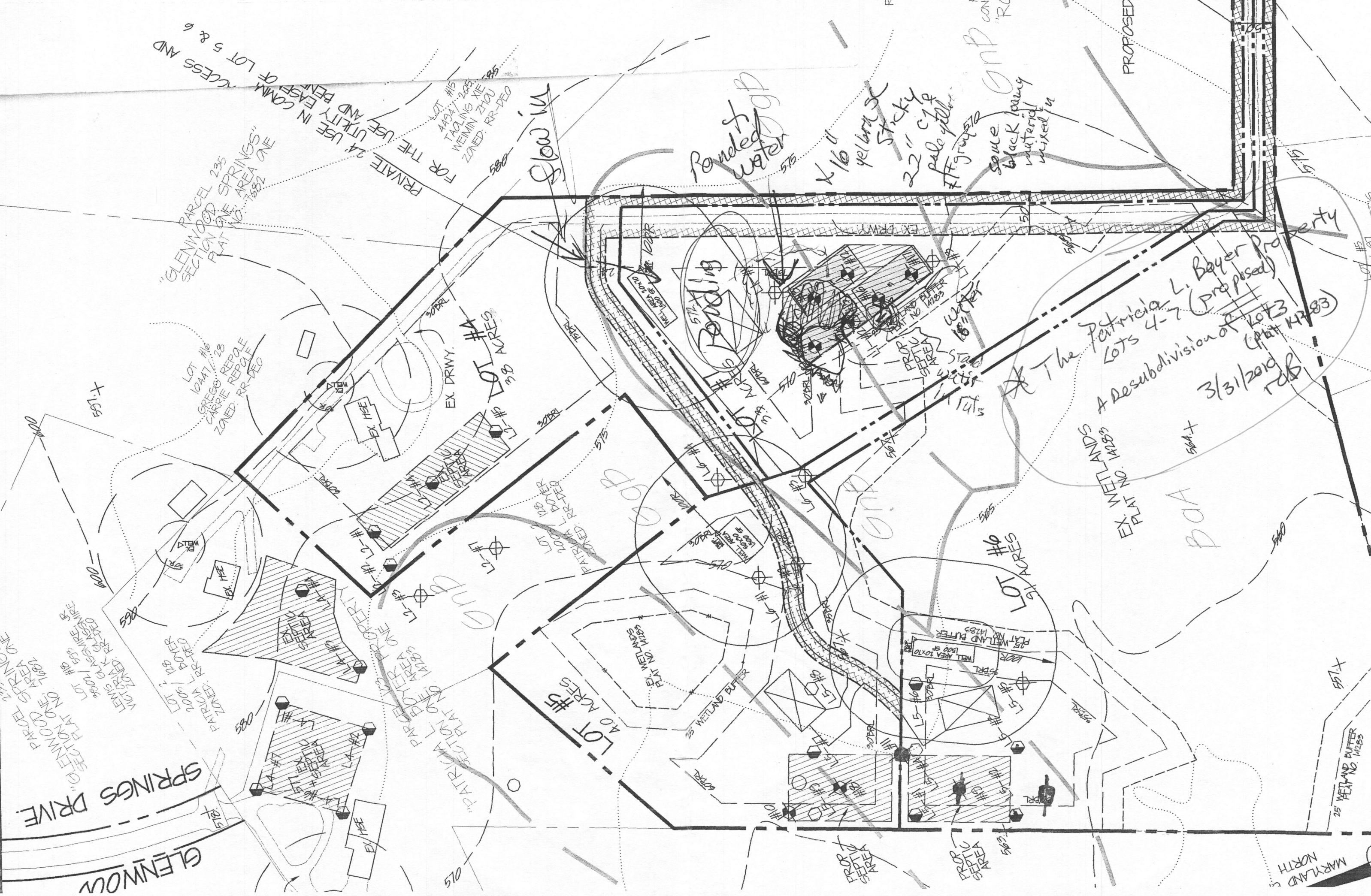
Sincerely,



Charles R. Crocken P.E.
President

cc Patricia Boyer
boyer hd refund

024
3



ACCESS AND
USE IN COMM. EASE OF LOT 5 & 6
PRIVATE 24 FOR THE USE AND BENEFIT OF LOT 5 & 6

"GLENWOOD SPRINGS"
SECTION ONE AREA ONE
PLAT NO. 14282

LOT 1047 #16
GREGG REPALE
CARRIE REPALE
ZONED: RR-DEO

EX. DRWY.
LOT #8
#9 ACRES

LOT #5
4.0 ACRES

LOT #6
9.1 ACRES

The Patricia L. Bayer Property
Lots 4-7 (Proposed)
A Desubdivision of Lot 3
(Pat 14283)
3/31/2010
RDB

EX. WETLANDS
PLAT NO. 14283

POA

GLENWOOD
SPRINGS DRIVE

MARIAN NORTH

25 WETLAND BUFFER
PLAT NO. 14285

551-X

564-X

155-X

515-X

LOT #5
PLAT NO. 14281

PROPOSED

some
black piping
material
mixed in

22" C/P
pale yellow
#77 gravel

yellow st
Sticky

Rounded
water

Slow in

Ponding

Wetland
16" water

PROJ. SEPTIC AREA
PLAT NO. 14283

WETLAND BUFFER
PLAT NO. 14285

WETLAND BUFFER
PLAT NO. 14285

WETLAND BUFFER
PLAT NO. 14285

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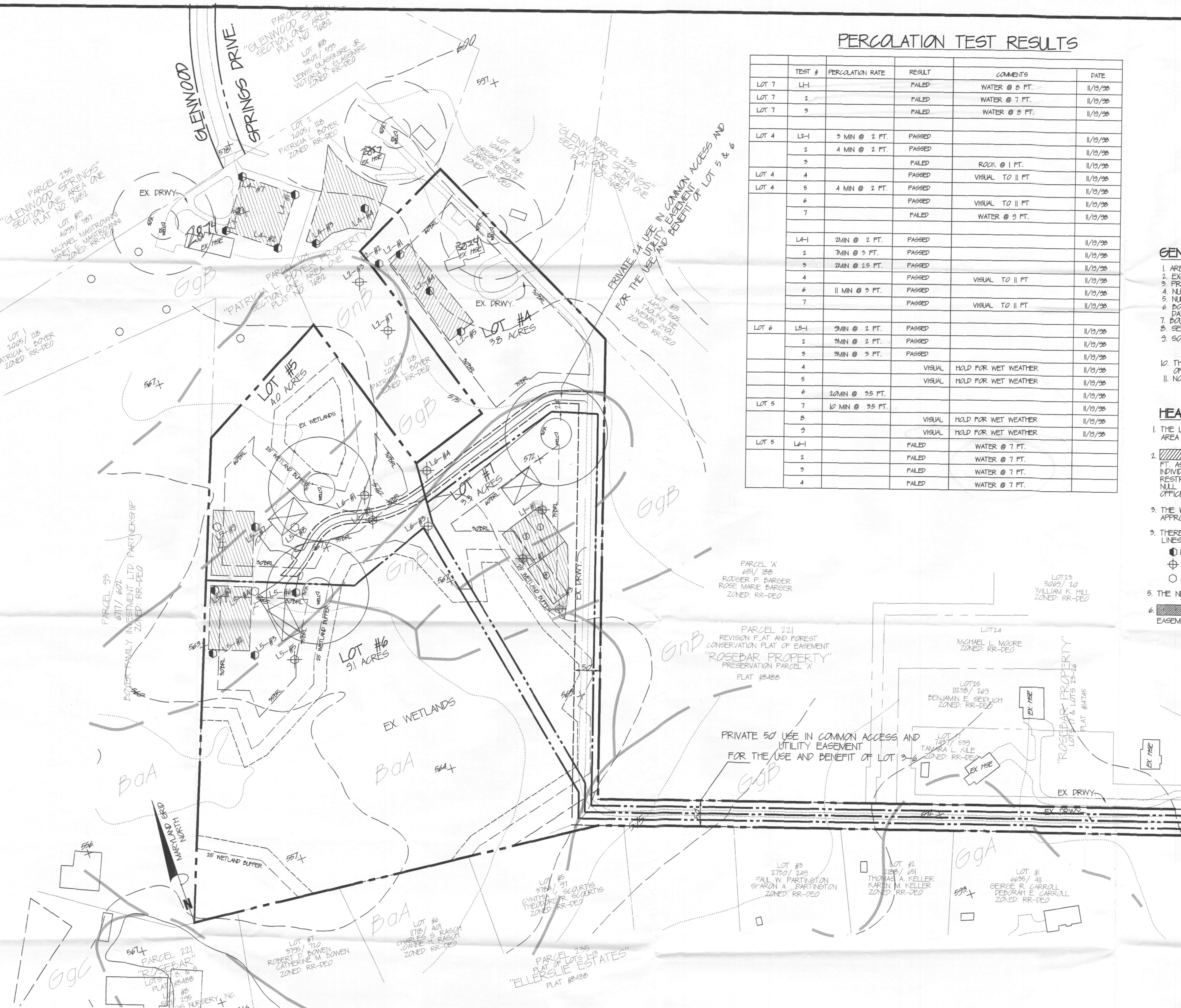
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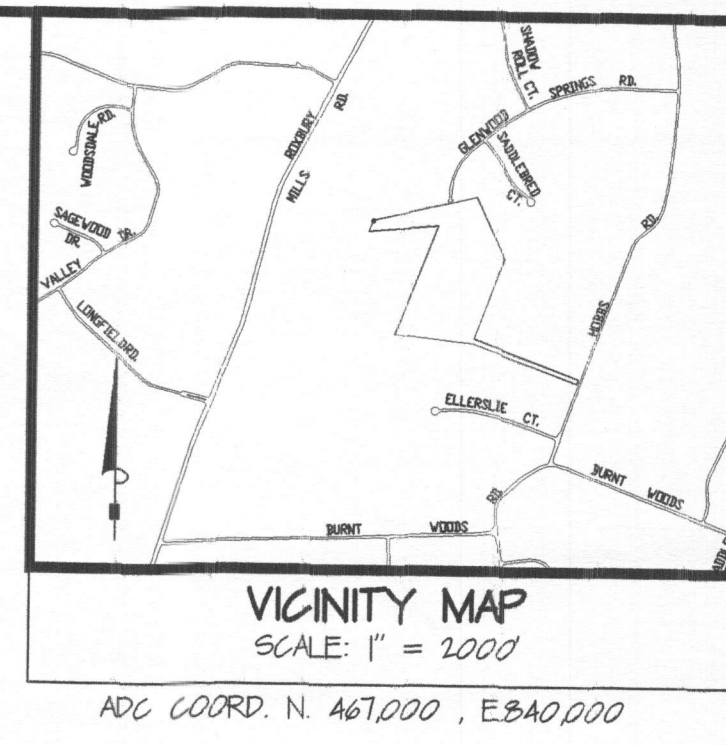
WETLAND BUFFER
PLAT NO. 14285

WETLAND BUFFER
PLAT NO. 14285



PERCOLATION TEST RESULTS

TEST #	PERCOLATION RATE	RESULT	COMMENTS	DATE
LOT 7	LH	FAILED	WATER @ 5 FT.	11/19/20
LOT 7	2	FAILED	WATER @ 7 FT.	11/19/20
LOT 7	3	FAILED	WATER @ 9 FT.	11/19/20
LOT 4	L2-1	3 MIN @ 2 FT.	PASSED	11/19/20
	2	4 MIN @ 2 FT.	PASSED	11/19/20
	3	FAILED	ROCK @ 1 FT.	11/19/20
LOT 4	4	PASSED	VISUAL TO 11 FT	11/19/20
LOT 4	5	4 MIN @ 2 FT.	PASSED	11/19/20
	6	PASSED	VISUAL TO 11 FT	11/19/20
	7	FAILED	WATER @ 9 FT.	11/19/20
	L4-1	2MIN @ 2 FT.	PASSED	11/19/20
	2	7MIN @ 3 FT.	PASSED	11/19/20
	3	2MIN @ 2.5 FT.	PASSED	11/19/20
	4	PASSED	VISUAL TO 11 FT	11/19/20
	6	11 MIN @ 3 FT.	PASSED	11/19/20
	7	PASSED	VISUAL TO 11 FT	11/19/20
LOT 6	L5-1	9MIN @ 2 FT.	PASSED	11/19/20
	2	3MIN @ 2 FT.	PASSED	11/19/20
	3	3MIN @ 3 FT.	PASSED	11/19/20
	4		VISUAL HOLD FOR WET WEATHER	11/19/20
	5		VISUAL HOLD FOR WET WEATHER	11/19/20
	6	20MIN @ 3.5 FT.		11/19/20
LOT 5	7	10 MIN @ 3.5 FT.		11/19/20
	8		VISUAL HOLD FOR WET WEATHER	11/19/20
	9		VISUAL HOLD FOR WET WEATHER	11/19/20
LOT 5	L6-1	FAILED	WATER @ 7 FT.	
	2	FAILED	WATER @ 7 FT.	
	3	FAILED	WATER @ 7 FT.	
	4	FAILED	WATER @ 7 FT.	



GENERAL NOTES:

1. AREA OF PROPERTY = 20,385.0 ACRES
2. EXISTING USE = RESIDENTIAL / SINGLE FAMILY RESIDENTIAL
3. PROPOSED USE = RESIDENTIAL / SINGLE FAMILY RESIDENTIAL
4. NUMBER OF UNITS ALLOWED = 4 UNITS
5. NUMBER OF UNITS PROPOSED = 3 UNITS + 1 EXISTING
6. BOUNDARY AND TOPOGRAPHY BASED ON AERIAL TOPOGRAPHY BY HOWARD COUNTY DATED 1998, VERIFIED IN FIELD BY CHARLES R. CROCKEN & ASSOC. DATED 3/06
7. BOUNDARY BASED ON DEED LIBER 9372 / FOLIO 421 & PLAT # 4705
8. SERVICE WATER = PRIVATE, SEWER = PRIVATE
9. SOILS SURVEY - HOWARD COUNTY, MARYLAND (MD017) SOIL MAPS VERSION 3, MAR 10, 2005 SOIL DATA VERSION 5, SEP 21, 2006
10. THERE ARE NO STREAMS, WETLANDS, OR STEEP SLOPES IN THE VICINITY OF THE SEWAGE EASEMENT EXCEPT AS OTHERWISE SHOWN HEREON.
11. NO ADDITIONAL SUBDIVISION OF SUBJECT PROPERTY IS REQUIRED FOR BLDG. PERMIT

HEALTH DEPARTMENT NOTES

1. THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP, WIDTH AND AREA REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT.
2. THE AREA DESIGNATES A PRIVATE SEWAGE EASEMENT OF 10,000 sq. FT. AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWAGE IS AVAILABLE. THESE EASEMENTS SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE EASEMENTS.
3. THE WELL AREA SHALL HAVE A WELL DRILLED, GROUTED, AND YIELD TESTED PRIOR TO FINAL APPROVAL OF BUILDING PERMIT.
3. THERE ARE NO EXISTING WELLS AND SEPTIC SYSTEMS WITHIN 100 FT. OF THE LOT LINES SHOWN HEREON UNLESS NOTED OTHERWISE.
 - DENOTES "PASSED" PERCOLATION TEST (9/21/1986)
 - ⊕ DENOTES "FAILED" PERCOLATION TEST (9/21/1986)
 - DENOTES RESERVED FOR WET WEATHER TESTING (9/21/1986)
5. THE NEAREST WATER INTAKE STRUCTURE IS FIVE MILES +/- AWAY.
6. DENOTES 25% SLOPE, ONLY 25% OR STEEPER SLOPES WITHIN 200' ± OF SEWAGE EASEMENT HAVE BEEN SHOWN ON PLAN.

SITE ANALYSIS

AREA OF PARCEL 20,385.0 ACRES ±
 THE MASTER PLAN OF HOWARD COUNTY
 PRESENT ZONING = RR-DEO
 PROPOSED USE OF STRUCTURES = SINGLE FAMILY
 # UNITS ALLOWED = 4
 # UNITS PROPOSED = 3 PROPOSED + 1 EXISTING
 OPEN SPACE ON SITE = N/A
 HOWARD COUNTY FILE NO.: F-81-23

SOILS LEGEND

SYMBOL	NAME/DESCRIPTION	SOIL GROUP
B0A	BALE SILT LOAM, 0 TO 3 PERCENT SLOPES	
B0A	BLEND LOAM, 0 TO 3 PERCENT SLOPES	
B0B	BLEND LOAM, 3 TO 8 PERCENT SLOPES	
B0C	BLEND LOAM, 8 TO 15 PERCENT SLOPES	
B0D	BLEND-BALE SILT LOAMS, 0 TO 8 PERCENT SLOPES	

OWNER/DEVELOPER:
 PATRICA L. BOYER
 2857 GLENWOOD SPRINGS DR
 GLENWOOD, MARYLAND 21738

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS

 HOWARD COUNTY HEALTH OFFICER DATE

NO. DATE REVISION

HEALTH DEPARTMENT PLAN
THE PATRICA L. BOYER PROPERTY
LOTS 4-7
A RESUBDIVISION OF LOT 3

TAX MAP 14 GRID 12 PARCEL 103 ZONED - RR-
 4TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

Prepared by: **CHARLES R. CROCKEN AND ASSOCIATES, INC.**
 Civil Engineering - Land Planning
 302 LEE AVE.
 SYKESVILLE, MD 21784
 Tel: (410) 549-3708
 Fax: (410) 549-3363

TAX MAP 50 PARCEL 105 PROJECT NO:
 DESIGNED BY: C.R.C. DATE: JANUARY, 2010
 DRAWN BY: C.H.C. SCALE: 1" = 100'
 DRAWING NO. ___ OF ___

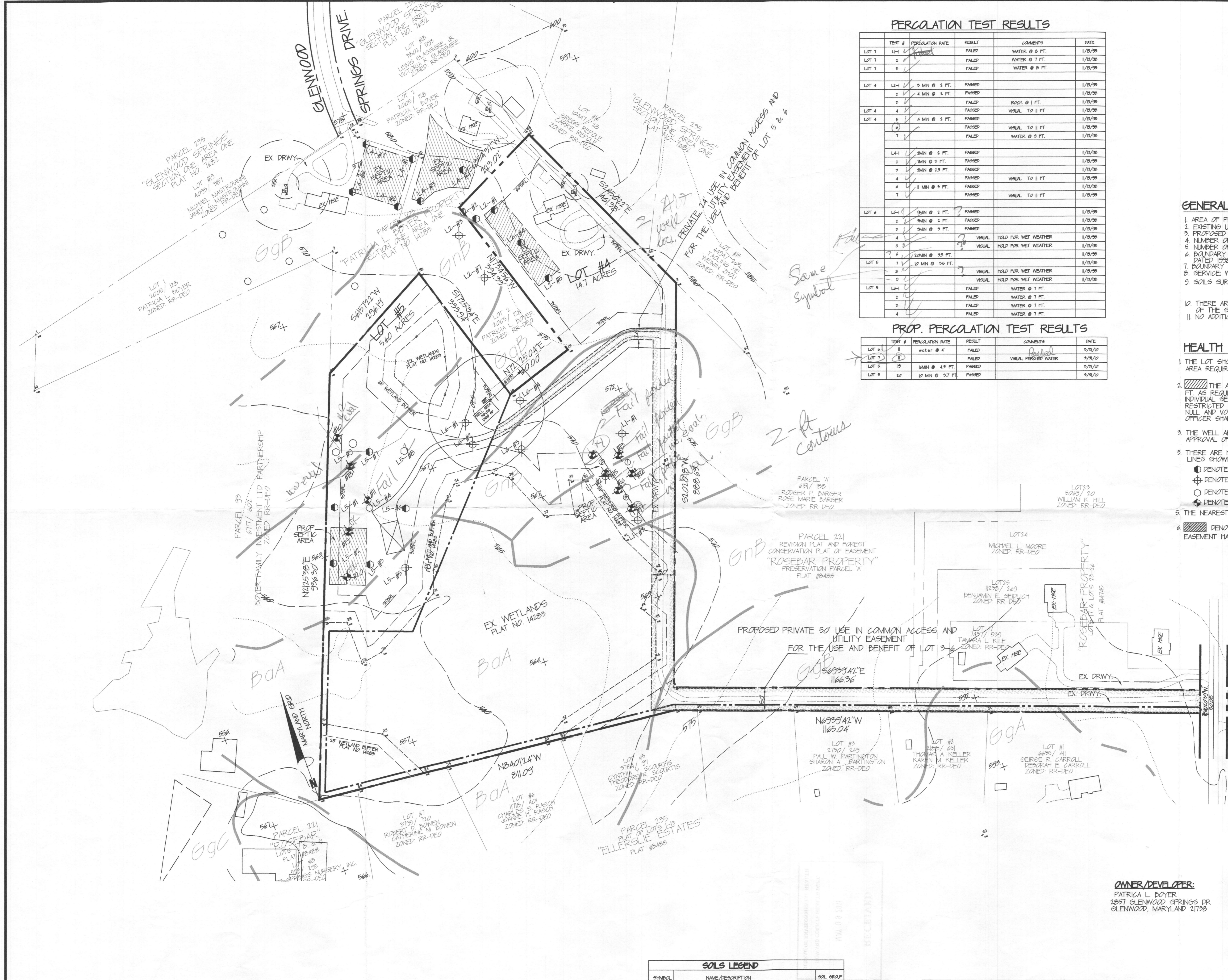
DATE: 2-27-10

STATE OF MARYLAND
 PROFESSIONAL ENGINEER NO. _____

SDP- XX - XXX

PROFESSIONAL CERTIFICATION
 I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A FULLY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND LICENSE NO. 7809

Charles R. Crocken 2-27-10
 CHARLES R. CROCKEN, PE AND LICENSE REG. NO. 7809 DATE

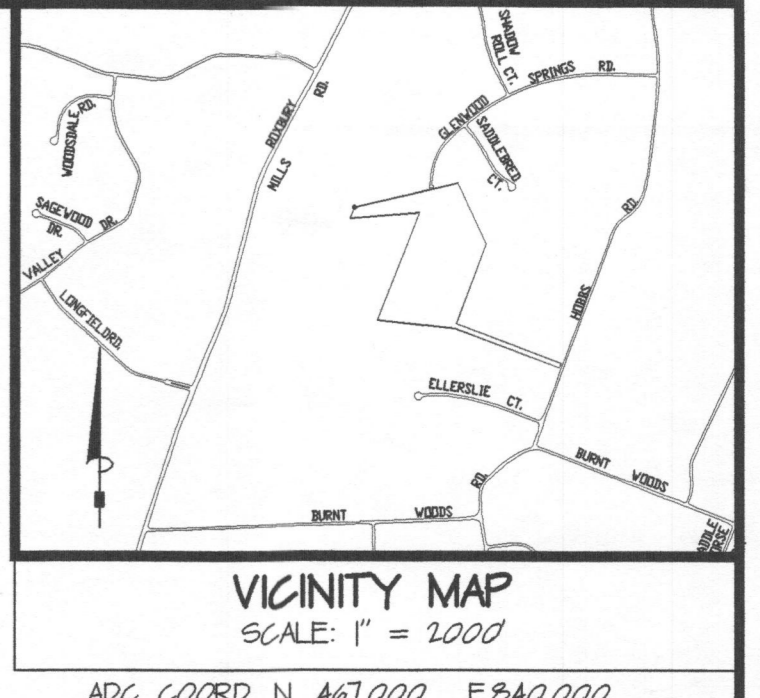


PERCOLATION TEST RESULTS

TEST #	PERCOLATION RATE	RESULT	COMMENTS	DATE
LOT 7	L4-1	PAIRED	WATER @ 8 FT.	1/15/20
LOT 7	2	PAIRED	WATER @ 7 FT.	1/15/20
LOT 7	3	PAIRED	WATER @ 8 FT.	1/15/20
LOT 4	L3-1	3 MIN @ 2 FT.	PASSED	1/15/20
LOT 4	2	4 MIN @ 2 FT.	PASSED	1/15/20
LOT 4	3	PAIRED	ROCK @ 1 FT.	1/15/20
LOT 4	4	PAIRED	VISUAL TO 8 FT	1/15/20
LOT 4	5	4 MIN @ 2 FT.	PASSED	1/15/20
LOT 4	6	PAIRED	VISUAL TO 8 FT	1/15/20
LOT 4	7	PAIRED	WATER @ 9 FT.	1/15/20
LOT 4	L4-1	3 MIN @ 2 FT.	PASSED	1/15/20
LOT 4	2	3 MIN @ 2 FT.	PASSED	1/15/20
LOT 4	3	3 MIN @ 2 FT.	PASSED	1/15/20
LOT 4	4	PAIRED	HOLD FOR WET WEATHER	1/15/20
LOT 4	5	PAIRED	HOLD FOR WET WEATHER	1/15/20
LOT 4	6	2 MIN @ 35 FT.	PAIRED	1/15/20
LOT 4	7	10 MIN @ 35 FT.	PAIRED	1/15/20
LOT 4	8	PAIRED	VISUAL HOLD FOR WET WEATHER	1/15/20
LOT 4	9	PAIRED	VISUAL HOLD FOR WET WEATHER	1/15/20
LOT 4	L4-1	PAIRED	WATER @ 7 FT.	1/15/20
LOT 4	2	PAIRED	WATER @ 7 FT.	1/15/20
LOT 4	3	PAIRED	WATER @ 7 FT.	1/15/20
LOT 4	4	PAIRED	WATER @ 7 FT.	1/15/20

PROP. PERCOLATION TEST RESULTS

TEST #	PERCOLATION RATE	RESULT	COMMENTS	DATE
LOT 4	11	water @ 4'	PAIRED	3/9/10
LOT 7	12	PAIRED	VISUAL PERCHED WATER	3/9/10
LOT 5	13	10 MIN @ 45 FT.	PAIRED	3/9/10
LOT 5	20	10 MIN @ 37 FT.	PAIRED	3/9/10



GENERAL NOTES:

- AREA OF PROPERTY = 20,3650 ACRES
- EXISTING USE = RESIDENTIAL / SINGLE FAMILY RESIDENTIAL
- PROPOSED USE = RESIDENTIAL / SINGLE FAMILY RESIDENTIAL
- NUMBER OF UNITS ALLOWED = 4 UNITS
- NUMBER OF UNITS PROPOSED = 3 UNITS + 1 EXISTING
- BOUNDARY AND TOPOGRAPHY BASED ON AERIAL TOPOGRAPHY BY HOWARD COUNTY DATED 1999, VERIFIED IN FIELD BY CHARLES R. CROCKEN & ASSOC. DATED 3/10
- BOUNDARY BASED ON DEED LIBER 9972 / FOLIO 421 & PLAT # 4105
- SERVICE WATER = PRIVATE, SEWER = PRIVATE
- SOILS SURVEY - HOWARD COUNTY, MARYLAND (MD027) SOIL MAPS VERSION 3, MAR 10, 2005 SOIL DATA VERSION 5, SEP 21, 2006
- THERE ARE NO STREAMS, WETLANDS, OR STEEP SLOPES IN THE VICINITY OF THE SEWAGE EASEMENT EXCEPT AS OTHERWISE SHOWN HEREON.
- NO ADDITIONAL SUBDIVISION OF SUBJECT PROPERTY IS REQUIRED FOR BLDG. PERMIT

HEALTH DEPARTMENT NOTES

- THE LOT SHOWN HEREON COMPLES WITH THE MINIMUM OWNERSHIP, WIDTH AND AREA REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT.
- THE AREA DESIGNATES A PRIVATE SEWAGE EASEMENT OF 10,000sq. FT. AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWAGE IS AVAILABLE. THESE EASEMENTS SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE EASEMENTS.
- THE WELL AREA SHALL HAVE A WELL DRILLED, GROUTED, AND YIELD TESTED PRIOR TO FINAL APPROVAL OF BUILDING PERMIT.
- THERE ARE NO EXISTING WELLS AND SEPTIC SYSTEMS WITHIN 100 FT. OF THE LOT LINES SHOWN HEREON UNLESS NOTED OTHERWISE.
 - DENOTES "PASSED" PERCOLATION TEST (3/21/1986)
 - ⊕ DENOTES "FAILED" PERCOLATION TEST (3/21/1986)
 - DENOTES RESERVED FOR WET WEATHER TESTING (3/21/1986)
 - ⊕ DENOTES PROPOSED PERCOLATION TEST
- THE NEAREST WATER INTAKE STRUCTURE IS FIVE MILES +/- AWAY.
- DENOTES 25% SLOPE, ONLY 25% OR STEEPER SLOPES WITHIN 200' OF SEWAGE EASEMENT HAVE BEEN SHOWN ON PLAN.

SITE ANALYSIS

AREA OF PARCEL 20,3650 ACRES ±
 THE MASTER PLAN OF HOWARD COUNTY
 PRESENT ZONING = "RR-DEO"
 PROPOSED USE OF STRUCTURES = SINGLE FAMILY
 # UNITS ALLOWED = 4
 # UNITS PROPOSED = 3 PROPOSED + 1 EXISTING
 OPEN SPACE ON SITE = N/A
 HOWARD COUNTY FILE NO.: "F-81-23"

SOILS LEGEND

SYMBOL	NAME/DESCRIPTION	SOIL GROUP
B0A	PALE SILT LOAM, 0 TO 3 PERCENT SLOPES	
B0B	GLENNLE LOAM, 0 TO 3 PERCENT SLOPES	
B0C	GLENNLE LOAM, 3 TO 8 PERCENT SLOPES	
B0D	GLENNLE LOAM, 8 TO 15 PERCENT SLOPES	
B0E	GLENNLE-PALE SILT LOAMS, 0 TO 8 PERCENT SLOPES	

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS

HOWARD COUNTY HEALTH OFFICER _____ DATE _____

OWNER/DEVELOPER:
 PATRICIA L. BOYER
 2557 GLENWOOD SPRINGS DR
 GLENWOOD, MARYLAND 21736

NO.	DATE	REVISION

HEALTH DEPARTMENT PLAN
THE PATRICIA L. BOYER PROPERTY
 LOTS 4-7
 A RESUBDIVISION OF LOT 3
 PLAT NO. 14283

TAX MAP 14 GRID 12 PARCEL 103 ZONED - "RR"
 4TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

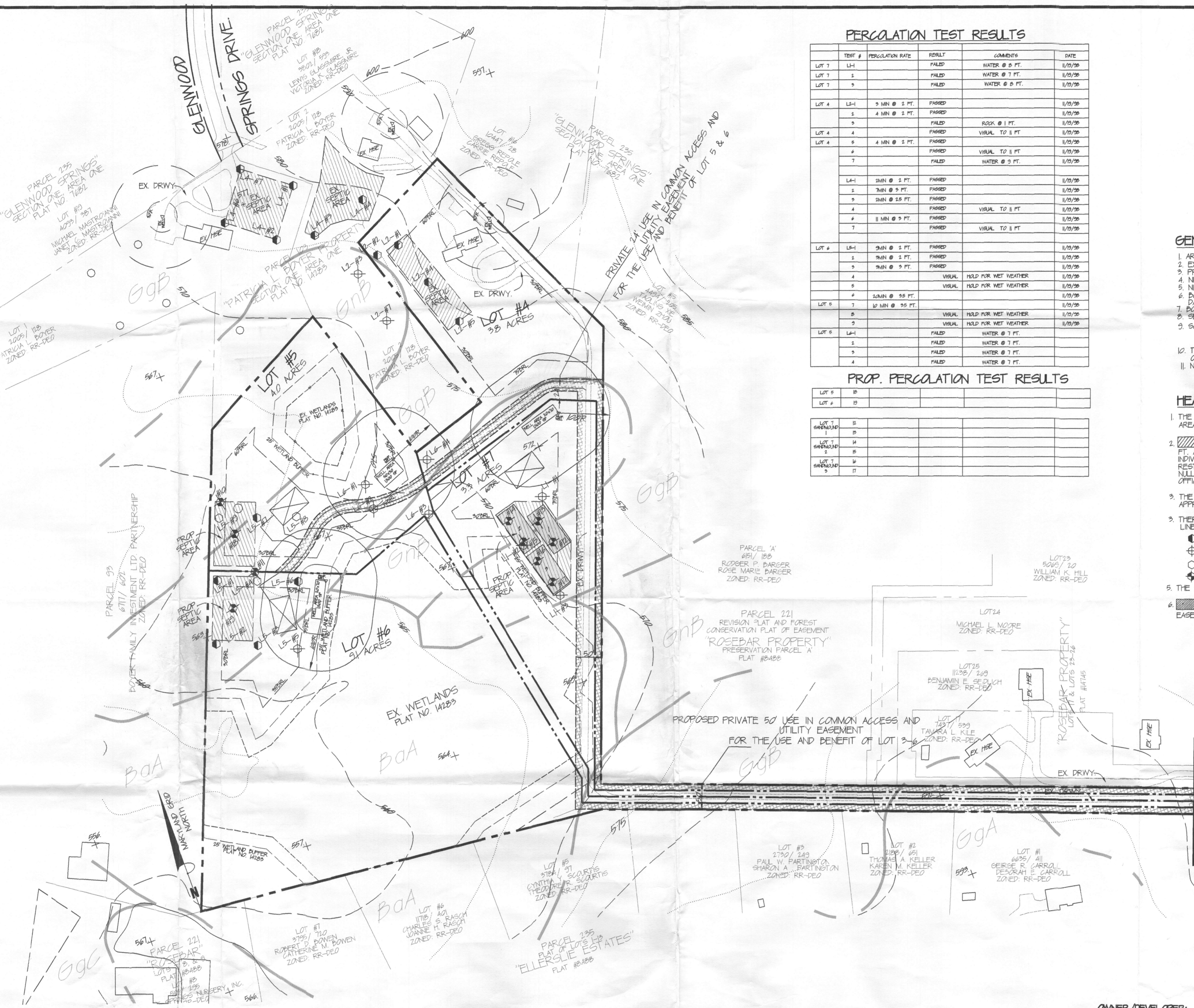
5-9-2011
 DATE

Prepared by
CHARLES R. CROCKEN AND ASSOCIATES, INC.
 Civil Engineering - Land Planning
 307 LEE AVE.
 SYLVESVILLE, MD 21784
 Tel. (410) 549-2100
 Fax. (410) 549-2063

TAX MAP 50 PARCEL 485 PROJECT NO:
 DESIGNED BY: C.R.C. DATE: JANUARY, 2010
 DRAWN BY: CHC. SCALE: 1" = 100'
 DRAWING NO. ___ OF ___

PROFESSIONAL CERTIFICATION
 I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND LICENSE NO. 7809

Charles R. Crocken 5741
 CHARLES R. CROCKEN, P.E. MD LICENSE REG. NO. 7809 DATE

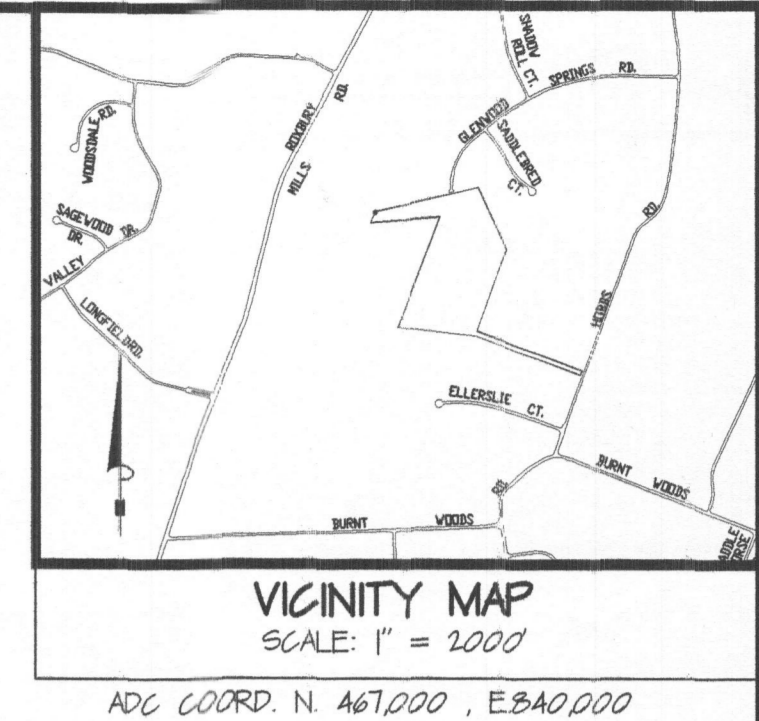


PERCOLATION TEST RESULTS

TEST #	PERCOLATION RATE	RESULT	COMMENTS	DATE
LOT 7	LH-1	FAILED	WATER @ 5 FT.	1/19/20
LOT 7	2	FAILED	WATER @ 7 FT.	1/19/20
LOT 7	3	FAILED	WATER @ 9 FT.	1/19/20
LOT 4	LH-1	5 MIN @ 1 FT.	PASSED	1/19/20
	2	4 MIN @ 1 FT.	PASSED	1/19/20
	3	FAILED	ROCK @ 1 FT.	1/19/20
LOT 4	4	PASSED	VISUAL TO 11 FT	1/19/20
LOT 4	5	4 MIN @ 1 FT.	PASSED	1/19/20
	6	PASSED	VISUAL TO 11 FT	1/19/20
	7	FAILED	WATER @ 3 FT.	1/19/20
LH-1	2MIN @ 1 FT.	PASSED		1/19/20
	3MIN @ 1 FT.	PASSED		1/19/20
	5MIN @ 1 FT.	PASSED		1/19/20
	4	PASSED	VISUAL TO 11 FT	1/19/20
	6	11 MIN @ 3 FT.	PASSED	1/19/20
	7	PASSED	VISUAL TO 11 FT	1/19/20
LOT 6	LH-1	3MIN @ 1 FT.	PASSED	1/19/20
	2	3MIN @ 1 FT.	PASSED	1/19/20
	3	3MIN @ 3 FT.	PASSED	1/19/20
	4	VISUAL	HOLD FOR WET WEATHER	1/19/20
	5	VISUAL	HOLD FOR WET WEATHER	1/19/20
LOT 5	6	3MIN @ 35 FT.	PASSED	1/19/20
	7	10 MIN @ 35 FT.	PASSED	1/19/20
	8	VISUAL	HOLD FOR WET WEATHER	1/19/20
	9	VISUAL	HOLD FOR WET WEATHER	1/19/20
LOT 5	LH-1	FAILED	WATER @ 7 FT.	1/19/20
	2	FAILED	WATER @ 7 FT.	1/19/20
	3	FAILED	WATER @ 7 FT.	1/19/20
	4	FAILED	WATER @ 7 FT.	1/19/20

PROP. PERCOLATION TEST RESULTS

LOT #	ID	DATE	RESULT	COMMENTS
LOT 5	10			
LOT 6	11			
LOT 7	12			
LOT 7	13			
LOT 7	14			
LOT 7	15			
LOT 7	16			
LOT 7	17			



GENERAL NOTES:

- AREA OF PROPERTY = 20,350 ACRES
- EXISTING PROPERTY = RESIDENTIAL/1 SINGLE FAMILY RESIDENTIAL
- PROPOSED USE = RESIDENTIAL/1 SINGLE FAMILY RESIDENTIAL
- NUMBER OF UNITS ALLOWED = 4 UNITS
- NUMBER OF UNITS PROPOSED = 3 UNITS + 1 EXISTING
- BOUNDARY AND TOPOGRAPHY BASED ON AERIAL TOPOGRAPHY BY HOWARD COUNTY DATED 1998, VERIFIED IN FIELD BY CHARLES R. CROCKEN & ASSOC. DATED 3/1/06
- BOUNDARY BASED ON DEED LIBER 9978/ FOLIO 421 & PLAT # 4105
- SERVICE WATER = PRIVATE, SEWER = PRIVATE
- SOLS SURVEY - HOWARD COUNTY, MARYLAND (MD0217) SOL MAPS VERSION 2, MAR 10, 2005 SOL DATA VERSION 5, SEP 21, 2006
- THERE ARE NO STREAMS, WETLANDS, OR STEEP SLOPES IN THE VICINITY OF THE SEWAGE EASEMENT EXCEPT AS OTHERWISE SHOWN HEREON
- NO ADDITIONAL SUBDIVISION OF SUBJECT PROPERTY IS REQUIRED FOR BLDG. PERMIT

HEALTH DEPARTMENT NOTES

- THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP, WIDTH AND AREA REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT.
- THE AREA DESIGNATES A PRIVATE SEWAGE EASEMENT OF 10,000 sq. FT. AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWAGE IS AVAILABLE. THESE EASEMENTS SHALL BECOME NULL AND VOID FOR A PUBLIC SEWAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE EASEMENTS.
- THE WELL AREA SHALL HAVE A WELL DRILLED, GROUTED, AND YIELD TESTED PRIOR TO FINAL APPROVAL OF BUILDING PERMIT.
- THERE ARE NO EXISTING WELLS AND SEPTIC SYSTEMS WITHIN 1001 FT. OF THE LOT LINES SHOWN HEREON UNLESS NOTED OTHERWISE.
 - ⊙ DENOTES "PASSED" PERCOLATION TEST (3/21/1986)
 - ⊕ DENOTES "FAILED" PERCOLATION TEST (3/21/1986)
 - DENOTES RESERVED FOR WET WEATHER TESTING (3/21/1986)
 - ⊕ DENOTES PROPOSED PERCOLATION TEST
- THE NEAREST WATER INTAKE STRUCTURE IS FIVE MILES +/- AWAY.
- ⊕ DENOTES 25% SLOPE, ONLY 25% OR STEEPER SLOPES WITHIN 200'± OF SEWAGE EASEMENT HAVE BEEN SHOWN ON PLAN.

SITE ANALYSIS

AREA OF PARCEL 20,350 ACRES ±
 THE MASTER PLAN OF HOWARD COUNTY
 PRESENT ZONING = RR-DEO
 PROPOSED USE OF STRUCTURES = SINGLE FAMILY
 # UNITS ALLOWED = 4
 # UNITS PROPOSED = 3 PROPOSED + 1 EXISTING
 OPEN SPACE ON SITE = N/A
 HOWARD COUNTY FILE NO.: F-81-23

SOILS LEGEND

SYMBOL	NAME/DESCRIPTION	SOL GROUP
B0A	BALE SILT LOAM, 0 TO 3 PERCENT SLOPES	
B0A	SELENIA LOAM, 0 TO 3 PERCENT SLOPES	
B0B	SELENIA LOAM, 3 TO 8 PERCENT SLOPES	
B0C	SELENIA LOAM, 8 TO 15 PERCENT SLOPES	
B0D	SELENIA-DALE SILT LOAM, 0 TO 3 PERCENT SLOPES	

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS

HOWARD COUNTY HEALTH OFFICER _____ DATE _____

PROFESSIONAL CERTIFICATION
 I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A FULLY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND LICENSE NO. 7869

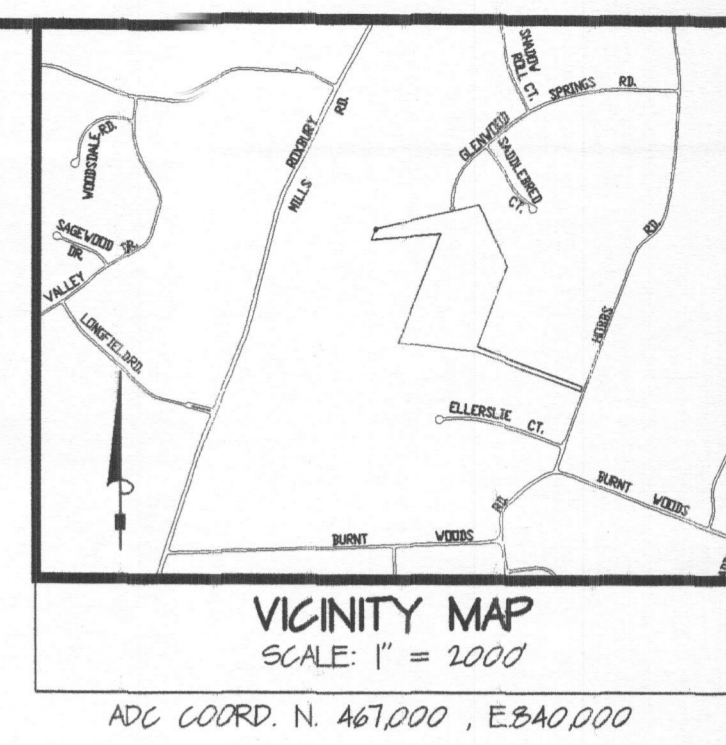
CHARLES R. CROCKEN, P.E. MD. LICENSE REG. NO. 7869 DATE _____

OWNER/DEVELOPER:
 PATRICA L. BOYER
 2857 GLENWOOD SPRINGS DR
 GLENWOOD, MARYLAND 21786

NO. _____		DATE _____		REVISION _____	
HEALTH DEPARTMENT PLAN					
THE PATRICA L. BOYER PROPERTY					
LOTS 4-7					
A RESUBDIVISION OF LOT 3					
PLAT NO. 14283					
TAX MAP 14 GRID 12 PARCEL 103				ZONED - "RR"	
4TH ELECTION DISTRICT				HOWARD COUNTY, MARYLAND	
Prepared by: CHARLES R. CROCKEN AND ASSOCIATES, INC. Civil Engineering - Land Planning 322 LEE AVE. GYKESVILLE, MD 21784 Tel. (410) 543-0708 Fax. (410) 543-3003					
DATE _____		TAX MAP 90 PARCEL 185		PROJECT NO. _____	
DESIGNED BY: C.R.C.		DATE: JANUARY, 2010		SCALE: 1" = 100'	
DRAWN BY: C.H.C.		DRAWING NO. _____		OF _____	
PROFESSIONAL ENGINEER NO. _____					

PERCOLATION TEST RESULTS

TEST #	PERCOLATION RATE	RESULT	COMMENTS	DATE
LOT 7 LH-1		FAILED	WATER @ 8 FT.	11/19/38
LOT 7 2		FAILED	WATER @ 7 FT.	11/19/38
LOT 7 3		FAILED	WATER @ 8 FT.	11/19/38
LOT 4 L2-1	3 MIN @ 2 FT.	PASSED		11/19/38
2	4 MIN @ 2 FT.	PASSED		11/19/38
3		FAILED	ROCK @ 1 FT.	11/19/38
LOT 4 4		PASSED	VISUAL TO 11 FT	11/19/38
LOT 4 5	4 MIN @ 2 FT.	PASSED		11/19/38
6		PASSED	VISUAL TO 11 FT	11/19/38
7		FAILED	WATER @ 9 FT.	11/19/38
LA-1	2MIN @ 2 FT.	PASSED		11/19/38
2	7MIN @ 3 FT.	PASSED		11/19/38
3	2MIN @ 2.5 FT.	PASSED		11/19/38
4		PASSED	VISUAL TO 11 FT	11/19/38
6	11 MIN @ 3 FT.	PASSED		11/19/38
7		PASSED	VISUAL TO 11 FT	11/19/38
LOT 6 L5-1	3MIN @ 2 FT.	PASSED		11/19/38
2	3MIN @ 2 FT.	PASSED		11/19/38
3	3MIN @ 3 FT.	PASSED		11/19/38
4		VISUAL	HOLD FOR WET WEATHER	11/19/38
5		VISUAL	HOLD FOR WET WEATHER	11/19/38
6	20MIN @ 3.5 FT.			11/19/38
LOT 5 7	10 MIN @ 3.5 FT.			11/19/38
8		VISUAL	HOLD FOR WET WEATHER	11/19/38
9		VISUAL	HOLD FOR WET WEATHER	11/19/38
LOT 5 L6-1		FAILED	WATER @ 7 FT.	11/19/38
2		FAILED	WATER @ 7 FT.	11/19/38
3		FAILED	WATER @ 7 FT.	11/19/38
4		FAILED	WATER @ 7 FT.	11/19/38



GENERAL NOTES:

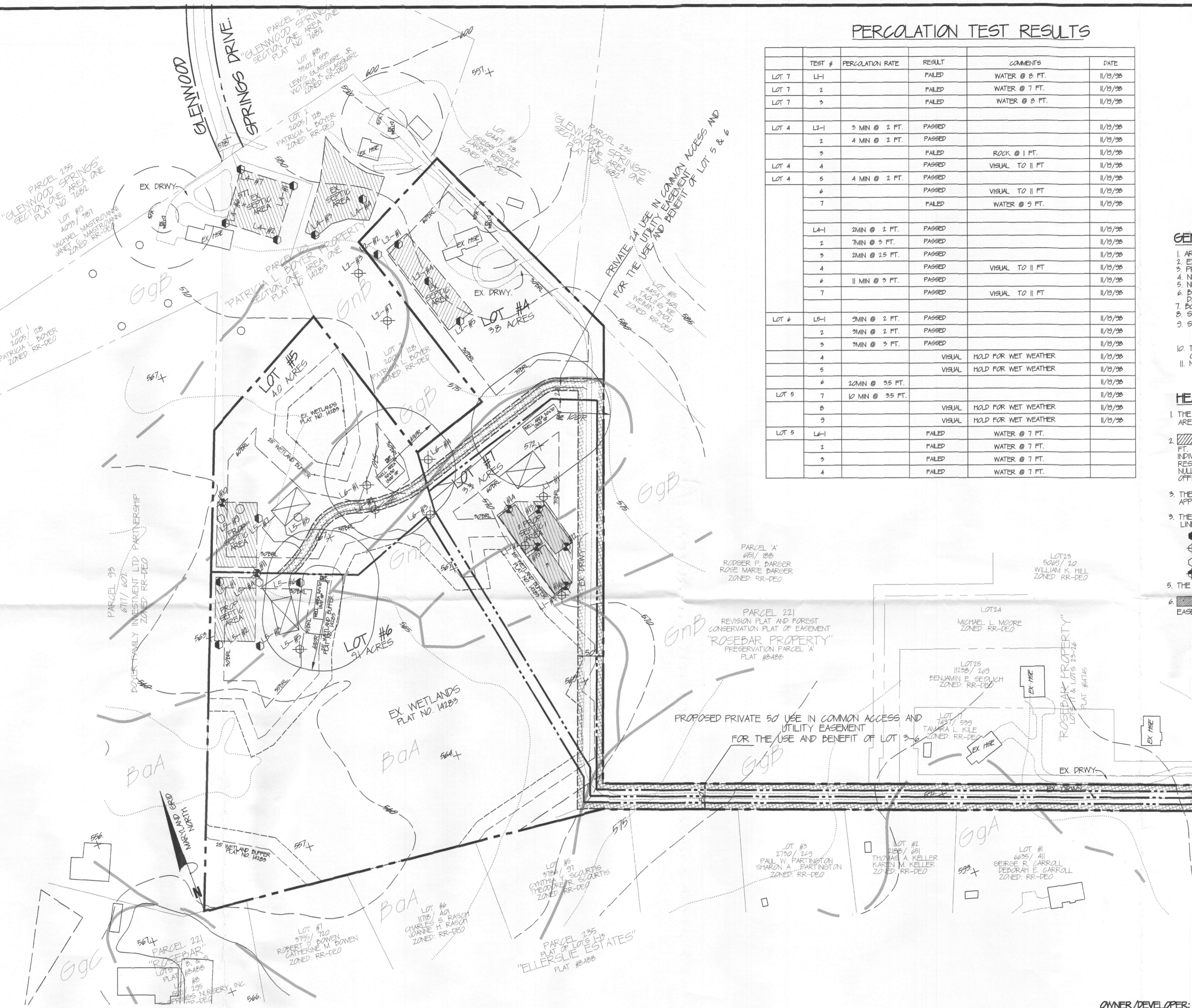
- AREA OF PROPERTY = 20,385.0 ACRES
- EXISTING USE = RESIDENTIAL / SINGLE FAMILY RESIDENTIAL
- PROPOSED USE = RESIDENTIAL / SINGLE FAMILY RESIDENTIAL
- NUMBER OF UNITS ALLOWED = 4 UNITS
- NUMBER OF UNITS PROPOSED = 3 UNITS + 1 EXISTING
- BOUNDARY AND TOPOGRAPHY BASED ON AERIAL TOPOGRAPHY BY HOWARD COUNTY DATED 1998, VERIFIED IN FIELD BY CHARLES R. CROCKEN & ASSOC. DATED 3/28
- BOUNDARY BASED ON DEED LIBER 9972 / FOLIO 421 & PLAT # 4128
- SERVICE WATER = PRIVATE SEWER = PRIVATE
- SOILS SURVEY - HOWARD COUNTY, MARYLAND (MD0217) SOL MAPS VERSION 2, MAR 10, 2005 SOL DATA VERSION 5, SEP 21, 2004
- THERE ARE NO STREAMS, WETLANDS OR STEEP SLOPES IN THE VICINITY OF THE SEWAGE EASEMENT EXCEPT AS OTHERWISE SHOWN HEREON.
- NO ADDITIONAL SUBDIVISION OF SUBJECT PROPERTY IS REQUIRED FOR PLUG PERMIT

HEALTH DEPARTMENT NOTES

- THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND AREA REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT.
- THE AREA DESIGNATES A PRIVATE SEWAGE EASEMENT OF 10,000 sq. FT. AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWAGE IS AVAILABLE. THESE EASEMENTS SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE EASEMENTS.
- THE WELL AREA SHALL HAVE A WELL DRILLED, GROUTED, AND YIELD TESTED PRIOR TO FINAL APPROVAL OF BUILDING PERMIT.
- THERE ARE NO EXISTING WELLS AND SEPTIC SYSTEMS WITHIN 100 FT. OF THE LOT LINES SHOWN HEREON UNLESS NOTED OTHERWISE.
 - ⊕ DENOTES "PASSED" PERCOLATION TEST (3/21/1986)
 - ⊖ DENOTES "FAILED" PERCOLATION TEST (3/21/1986)
 - ⊙ DENOTES RESERVED FOR WET WEATHER TESTING (3/21/1986)
 - ⊕ DENOTES PROPOSED PERCOLATION TEST
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SITE ANALYSIS

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SOILS LEGEND

SYMBOL	NAME/DESCRIPTION	SOIL GROUP
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E0B	GLENELE LOAM, 5 TO 8 PERCENT SLOPES	
E0C	GLENELE LOAM, 8 TO 15 PERCENT SLOPES	
E0D	GLENELE-BALE SILT LOAMS, 0 TO 5 PERCENT SLOPES	

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS

HOWARD COUNTY HEALTH OFFICER _____ DATE _____

PROFESSIONAL CERTIFICATION
 I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A FULLY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 7829

Charles R. Crocken 3-5-10
 CHARLES R. CROCKEN, PE NO. LICENSE REG. NO. 7829 DATE

NO.	DATE	REVISION

HEALTH DEPARTMENT PLAN
THE PATRICA L. BOYER PROPERTY
 LOTS 4-7
 A RESUBDIVISION OF LOT 3
 PLAT NO. 14283

TAX MAP 14 GRID 12 PARCEL 103 ZONED - "RR"
 4TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

OWNER/DEVELOPER:
 PATRICA L. BOYER
 12871 GLENWOOD SPRINGS DR
 GLENWOOD, MARYLAND 21738

Prepared by:
CHARLES R. CROCKEN AND ASSOCIATES, INC.
 Civil Engineering - Land Planning
 202 LEE AVE.
 SYKESVILLE, MD 21784
 Tel. (410) 549-3128
 Fax. (410) 549-3065

TAX MAP 50 PARCEL A85 PROJECT NO:
 DESIGNED BY: C.R.C. DATE: JANUARY, 2010
 DRAWN BY: C.H.C. SCALE: 1" = 100'

DRAWING NO. _____ OF _____

SDP- XX - XXX