

APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) 3/26/2007 TEST TIME 9A A/P 525658
AGENCY REVIEW: GAC DATE 11/2006

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) Kielholtz

DAYTIME PHONE _____ CELL _____ FAX _____

MAILING ADDRESS 3646 Shap Rd. Glenwood MD 21738
STREET CITY/TOWN STATE ZIP

APPLICANT DON ROSEN

DAYTIME PHONE _____ CELL 410 916 5366 FAX _____

MAILING ADDRESS 3785 Shady Ln. Glenwood MD 21738
STREET CITY/TOWN STATE ZIP

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

PROPERTY LOCATION
SUBDIVISION/PROPERTY NAME _____ LOT NO. _____

PROPERTY ADDRESS _____
STREET TOWN/POST OFFICE

TAX MAP PAGE(S) 21 GRID 5 PARCEL(S) 145 PROPOSED LOT SIZE 3.1

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
1718 COLUMBIA GATEWAY DRIVE COLUMBIA, MARYLAND 21046 (410) 313-2640 FAX (410) 313-2648
TDD (410) 313-2323 TOLL FREE 1-877-4MD-DHMH

AP 525658

103
1 Brown-Yellow Brn Ap
Yellowish Red
Clm-SaCl
2 1/2 Yellow Red
Solm
4 Yellow Brn
Solm-LS
u/manganese
striae
6
8 Wet some
shy
9 Soggy
c Yellow Grey
10 Water (solm)
11

100
Brown Lm Ap
Yellow Red
SaCl
3
Dense w/ cobbles
4
Yellowish Red-
Yellow Brn
Solm(s)
w/manganese
bands (faint)
12

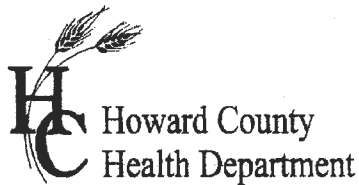
101
Brown Lm Ap
Yellow Red Clm
w/trace Gtz
3
Yellow Brn
Solm
w/manganese
bands (P₆)
12
10' 11' str.
Soggy
Water @ 11 1/2

202A
1 Brn Lm Ap
Yellow Red
Clm-SaCl
3 Red-Yellow
Lm-PSL
5 Str. Brn
Solm-LS
u/manganese
bands
9 Wet
10 Soggy
grey gley/manganese
red yellow nodules
11
12

104
1 Brown Lm Ap
Gtz cobbles
Yellowish Red
SaCl
3 Reddish Yellow
Solm
5 Reddish Yellow
Solm w/
Manganese
bands
8 Loamy Sand
u/manganese
12 Dry

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
3/26/07							
See profile	103	4' 11"	12:14	12:18	12:24	6 m	P
	202A	4' 12"	12:30	12:34	12:38	4 m	P
	104	4' 12"				4 m est. @ 4'	P
	100	4 1/2' 12"	1:03	1:07	1:12	5 m	P
	101	4' 12"	1:11	1:14	1:18	4 m	P

REMARKS Wet Season '07 / Lot by Decd
 SANITARIAN AKC BACKHOE Hofffield-Todd OTHERS Mr. Kielholz / Mr. Croson
 TEST HOLES USED IN SDA 101, 100, 104, 202A, 103, 102 AVG. PERC TIME SQ. FT/BR
 TRENCH WIDTH INLET DEPTH MAX. BOT DEPTH EFFECTIVE SW



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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 4025 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) WILLIAM & PATRICIA KEILHOLTZ

DAYTIME PHONE _____ CELL _____ FAX _____

MAILING ADDRESS 3646 SHARP RD GLENWOOD MD 21738
STREET CITY/TOWN STATE ZIP

APPLICANT CROSEN HOMES, Inc.

DAYTIME PHONE 410-442-8262 CELL 410-916-5366 FAX 410-489-5242

MAILING ADDRESS 3785 SHADY LANE GLENWOOD MD 21738
STREET CITY/TOWN STATE ZIP

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

PROPERTY LOCATION
SUBDIVISION/PROPERTY NAME N/A 3642 Sharp Rd LOT NO. N/A

PROPERTY ADDRESS SHARP RD GLENWOOD MD 21738
STREET TOWN/POST OFFICE

TAX MAP PAGE(S) 21 GRID 5 PARCEL(S) 145 ~~PROPOSED~~ LOT SIZE 3.10AC

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TEST RESULTS WILL BE MAILED TO APPLICANT.

John Crose, Pres
SIGNATURE OF APPLICANT

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

Q/P 525650

203

1' Brown A loam
STR Yellowish
Red C loam
3.5' gr co
Str. Brown
SiCl w/
light Yellowish
Brown Mottled
(Many)
Prominent
lbt w/keeps
C4'
increasingly
wet w/
depth

200

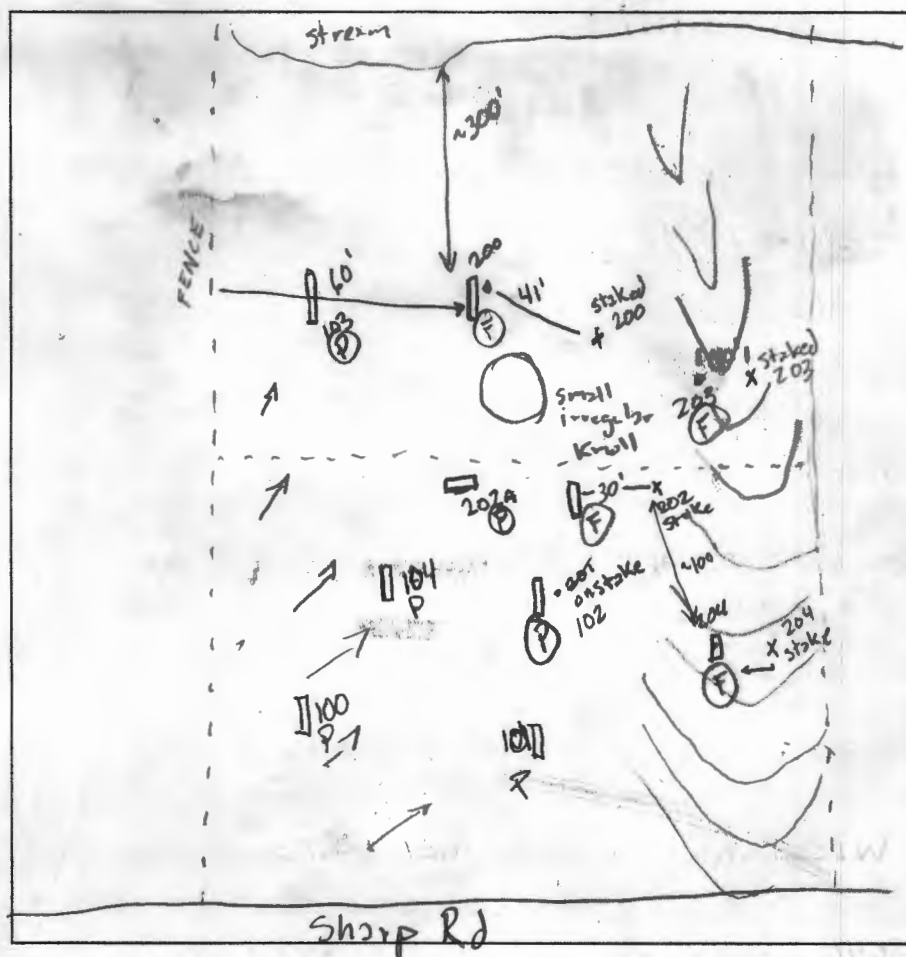
6' Yellow Brown Clay
Str Brown
Angular Blk
Clm. - S2 (1)


2' Solm (Heavy)
w/ Angular Blk
Smet. (Wet)
Yellowish Red
w/ cherty Qtz
Redd. @ 6 or
above

8' water seeps
in Solm (5)
w/ Many
Redd. features
Reddish Yellow/
Lt Brown clay w/
Blk & Dr Red

202

Ap Brown Lm
Yellowish Red
Cm
4' Reddish Yellow
Cm
Yellow Brown
w/ Reddy
& Mn oxide
7' Water w/
some
soils



DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
3/26/07	203	V/12'	H ₂ O	@ 4'			F
	200	4'/12'	10:40	11:10	< 1"	Pulled slow	F
	202	V/9'	H ₂ O	w/Clay			F
	204	V/9'	H ₂ O				F
sample @ 9' see profile	201	4'/11'	11:27	11:31	11:36	5m	P
	↑ was 201		i				

REMARKS Wet Season 07 / Lot by Decd

SANITARIAN _____ BACKHOE 1 _____ OTHERS _____

TEST HOLES USED IN SDA	AVG. PERC TIME	SQ. FT/BR
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TRENCH WIDTH	INLET DEPTH	MAX. BOT DEPTH	EFFECTIVE SAW
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204

Brw Ap Lm	8"
Yellowish Red Ang. BLK Cmn	4'
Yellowish Brwn Saln w/ Reddish Yellow some Radox w/ Manganese	
Wet	
H ₂ O	7'
	9'

201 102	
Brown Ap Lm	1
Yellowish Red	
Clm Ang. Brn	3'
gr. Cr.	
Yellowish Red	4'
Fine Lm - FS	
Dark Yellow Brn	
Saline W/	
Manganese	
Stratifications	
Red - Grey	
Redox Cms 8'	9'
Seeps of H ₂ O	10
Water	11

1000



Bureau of Environmental Health
7178 Columbia Gateway Drive, Columbia, MD 21046-2147
(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

3/28/2007

To: Mr. Don Crosen
Crosen Homes, Inc.
3785 Shady Lane
Glenwood, MD 21730

From: Gabe Creighton
Well and Septic Program

Re: Percolation Testing A525658
3642 Sharp Rd.
William and Patricia Kielholtz

Mr. Crosen,

Percolation testing conducted 3/26/2007 on the above referenced property has yielded favorable results with some limiting conditions. Further review of the project is contingent upon submittal by a professionally licensed surveyor or engineer of a Percolation Certification Plan as required by Howard County Code Subtitle 3.8.

Enclosed for your reference is a summary of these regulations, a copy of the test notes, and a chart of applicable setbacks for residential development.

Upon receipt of the Percolation Certification Plan, this office will review the plan to ensure the application of state and local codes and regulations. If the plan is not acceptable, comments to be addressed in a subsequent revision to the plan will be sent to the engineer. The Percolation Certification Plan may be approved once all items have been included and any issues have been resolved. An approved Percolation Certification Plan will be required prior to issuance of a building permit for the property.

If you have any questions regarding this process, at this time or in the future, please do not hesitate to contact me directly at (410) 313-2775.

Respectfully,

Gabriel A. Creighton, R.S.
Development Coordination Section
Well and Septic Program

Enclosures

cc: William and Patricia Kielholtz
Fisher, Collins and Carter, Inc., Via facsimile 410-750-3784
File

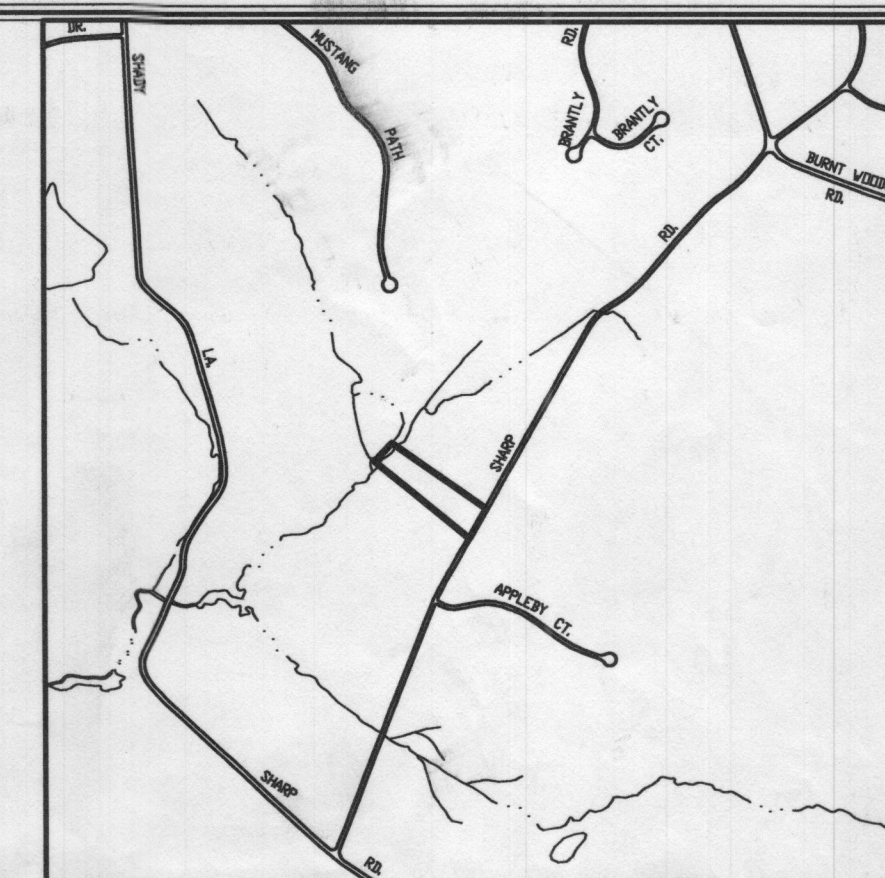
SOILS LEGEND		
SOIL	NAME	CLASS
* Co	Codorus silt loam	C
ChB2	Chester silt loam, 3 to 8 percent slopes, moderately eroded	B
ChC2	Chester silt loam, 8 to 15 percent slopes, moderately eroded	B
EkB2	Elloak silt loam, 3 to 8 percent slopes, moderately eroded	B
* GnB2	Glenville silt loam, 3 to 8 percent slopes, moderately eroded	C

NOTES:

- * Hydric soils and/or contains hydric inclusions
- ** May contain hydric inclusions
- Generally only within 100-year floodplain areas

LEGEND

- EXISTING 2' CONTOURS
- EXISTING 10' CONTOURS
- EXISTING TREE LINE
- GLB2 MLC2 SOIL LINES AND TYPES
- ⊙ DENOTES PROPOSED WELL
- OF DENOTES FAILED PERC
- DENOTES PASSED PERC
- ⊠ DENOTES PROPOSED HOUSE
- ▨ DENOTES 15%-24.9% SLOPES
- ▩ DENOTES 25% AND GREATER SLOPE
- ⊙ DENOTES 1500 Sq.Ft. ALTERNATE WELL SITE



VICINITY MAP
SCALE : 1" = 1200'

GENERAL NOTES:

- THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF AT LEAST 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWERAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THESE EASEMENTS SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWERAGE EASEMENT. RECORDATION OF A MODIFIED SEWERAGE EASEMENT SHALL NOT BE NECESSARY.
- ADJUSTMENTS TO SEPTIC EASEMENT AREA IS NOT PERMITTED WITHOUT ADDITIONAL TESTING.
- THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
- EXISTING WELLS AND/OR SEWERAGE EASEMENTS WITHIN 100 FEET OF THE PROPERTY HAVE BEEN SHOWN FROM THE BEST AVAILABLE INFORMATION.
- ALL HOUSE SITES SHOWN COMPLY WITH MINIMUM BUILDING RESTRICTION REGULATIONS.
- WELL SHALL BE DRILLED PRIOR TO BUILDING PERMIT.
- TOPOGRAPHY SHOWN IS FIELD RUN BY FISHER, COLLINS AND CARTER, INC ON NOVEMBER, 2006.
- BOUNDARY OUTLINE BASED ON AVAILABLE DEED OF RECORD WITHOUT THE THE BENEFIT OF A FIELD SURVEY AT THIS TIME.
- DEED REFERENCE LIBER 1288 FOLIO 196.

PERC CERTIFICATION

I certify that the locations shown hereon are based on field locations done under my direct supervision and are correct to the best of my professional knowledge and belief.

Signature of Professional Land Surveyor
Terrell A. Fisher, Professional Land Surveyor No. 10692

3/29/07
Date

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS,
HOWARD COUNTY HEALTH DEPARTMENT.

Signature of Peter Beckman, MD
COUNTY HEALTH OFFICER

4/13/07
DATE

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
ELICOTT CITY, MARYLAND 21042
(410) 461 - 2955

PERC CERTIFICATION PLAT KEILHOLTZ PROPERTY

TAX MAP *21

FOURTH ELECTION DISTRICT

SCALE: 1" = 50'

PARCEL: 145

GRID: 5

HOWARD COUNTY, MARYLAND

DATE: MARCH 29, 2007