

APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) _____ TEST TIME _____ AP 529538
AGENCY REVIEW: _____ DATE 8/25/08

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 UNKNOWN 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) David R. Brasher and Jennifer Brasher

DAYTIME PHONE (410) 997-0915 CELL _____ FAX _____

MAILING ADDRESS 11153 Woods Elves Way Columbia MD 21044-2629
STREET CITY/TOWN STATE ZIP

APPLICANT Benchmark Engineering Inc. c/o Brian Cleary

DAYTIME PHONE (410) 463-6105 CELL _____ FAX _____

MAILING ADDRESS 8480 Baltimore Nat'l Pike Suite 419 Ellicott City MD 21043
STREET CITY/TOWN STATE ZIP

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

PROPERTY LOCATION
SUBDIVISION/PROPERTY NAME Prides Crossing LOT NO. 1

PROPERTY ADDRESS N. Carroll Mill Road Ellicott City 21042
STREET TOWN/POST OFFICE

TAX MAP PAGE(S) 23 GRID 15 PARCEL(S) 79 PROPOSED LOT SIZE 8.9 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
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

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 _____

8001

Dark Gray
Black SL
-----0.5'
Moist
Boulders
-----1.5'
Yellow Red
SL, SS Clays
Stones
-----5'
Lt. Brown LS
Vertical
Saprolite
Red - Yellow
Streaks
-----11.5'
Lt. Grey
Loamy Sand
-----14.5'

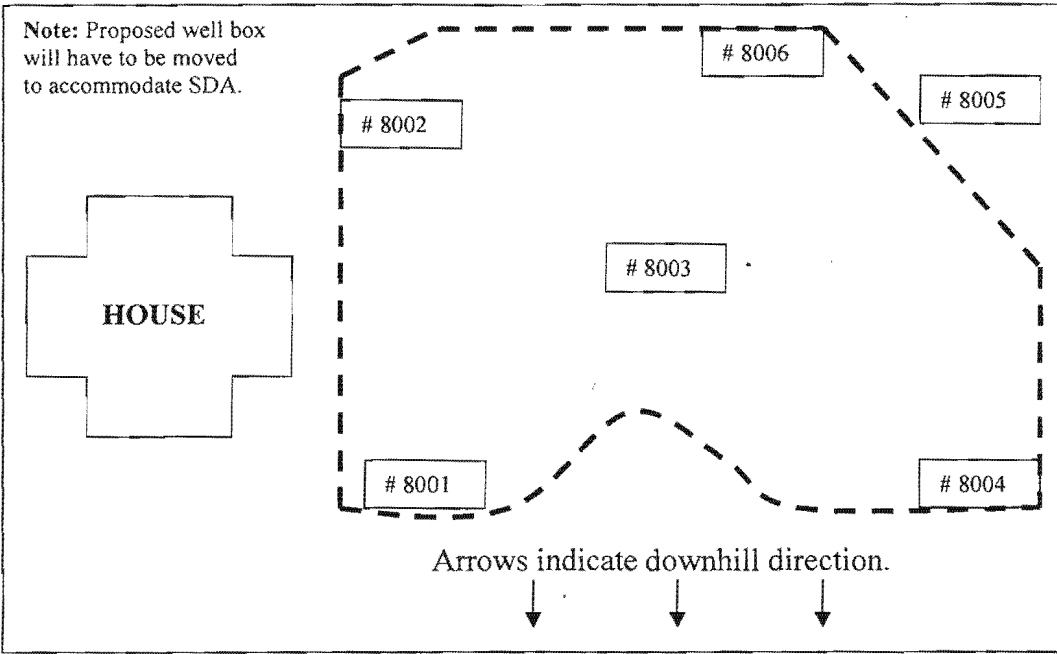
8003

Dk Brn SBK
3'
Dense Red
Brown CL
-----4'
Yell-Brn SL,
-----5'
Lt. Brown SL
-----6'
Yell- Brn LS
No Mica, Sap
-----9'
Lt. Gray-
Brown LS
-----11'
Grey- Brown
LS Few MnO
-----14'

8005

Dark Brown,
SL, SBK
-----1'
YRB SL
Fine Mica
Dense
-----6.5'
Yellow Red
SL, Quartzite
Dense
-----9.5'
Quartzite
Rock
Red - Yellow
SL
-----13'
Yellow Red
SL Moist
-----14'

Note: Proposed well box
will have to be moved
to accommodate SDA.



8002

Brown SL, sbk
-----2'
Lt. Brown SL
-----3'
60-75% Boulders
-----4'
Brown SL
Stony > 50%
-----5'
Red-Brn-SL, Sm.
Boulders, Traces
of Y, Wh Lt. Brn
-----10'
Lt. BSL, H2O
Tbl. Apparent
-----14'
H2O Seeping In
-----15'

#8004

Dk Brown
SL, sbk
-----2'
Red
Brown
CL, Dense
MnO @ 3'
-----4'
Yell- Red
SL, Dense
-----5'
Red-YelSL
-----6.5-7'
YBrn-LS
-----9'
Lt. Brn Sap
Gravel-LS
Quartzite
-----13.5'

Date	Test #	Depth	Start	Break 1" Drop	Break 2" Drop	Time of 2 nd Inch	P/F/H
10-21-08	8001	6.5' / 14.5'		1.5 min.	4 min.	3 min.	Pass
10-21-08	8002	6' / 15'		1.5 min.	6.5 min.	5 min.	Pass
10-21-08	8003	5.5' / 14'		2 min.	5.5 min.	3.5 min.	Pass
10-21-08	8004	6.5' / 13.5'		4 min.	12 min.	8 min.	Pass
10-21-08	8005	7' / 14'		40 min.	+	→	Fail
10-21-08	8006	13.5'		Visual Observation 5-8 feet Good Soil 8-13 feet Ok Soil			Pass
							#

Remark _____

Sanitarians DB/RB Backhoe Donnie Others _____

Test Holes Used in _____ Avg. Perc Time 5 SQ.FT/BR 5 Bedrooms

Trench Width 3 Inlet Depth 4 Max Bot.Depth 6 Effective S/W 1

8006

Dk- Brown SL
-----1'
BSCL
-----3.5'
Yell-Red SL
-----5'
Yell-Brn LS
Vertical Sap.
Red - Yellow
Streaks
-----8'
Pale Yel-Red,
Brown SL
-----13'
Dk. Grayish
Brown LS
Fe Coatings
-----13.5'

8001

Dark Gray
Black SL
-----0.5'
Moist
Boulders
-----1.5'
Yellow Red
SL, SS Clays
Stones
-----5'
Lt. Brown LS
Vertical
Saprolite
Red - Yellow
Streaks
-----11.5'
Lt. Grey
Loamy Sand
-----14.5'

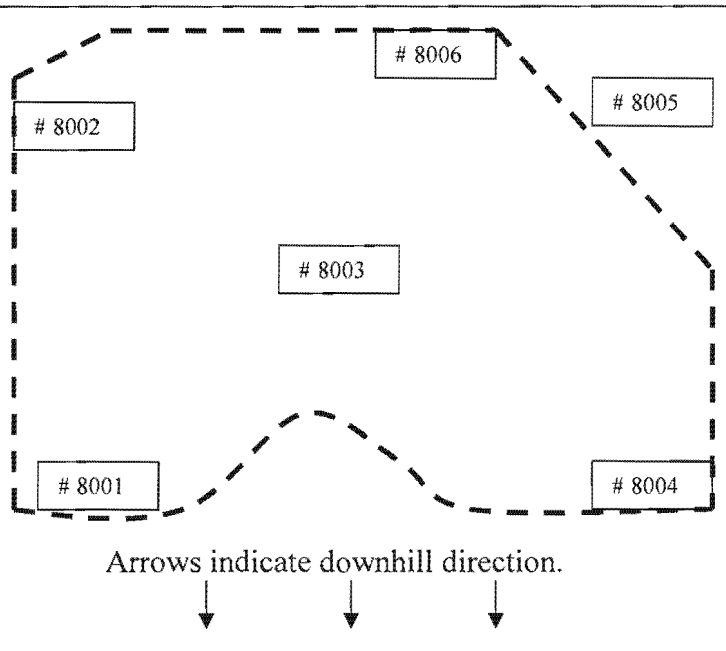
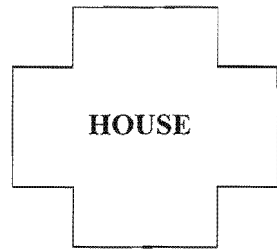
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-----3'
Dense Red
Brown CL
-----4'
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-----5'
Lt. Brown SL
-----6'
Yell- Brn LS
No Mica, Sap
-----9'
Lt. Gray-
Brown LS
-----11'
Grey- Brown
LS Few MnO
-----14'

8005

Dark Brown,
SL, SBK
-----1'
YRB SL
Fine Mica
Dense
-----6.5'
Yellow Red
SL, Quartzite
Dense
-----9.5'
Quartzite
Rock
Red - Yellow
SL
-----13'
Yellow Red
SL Moist
-----14'

Note: Proposed well box
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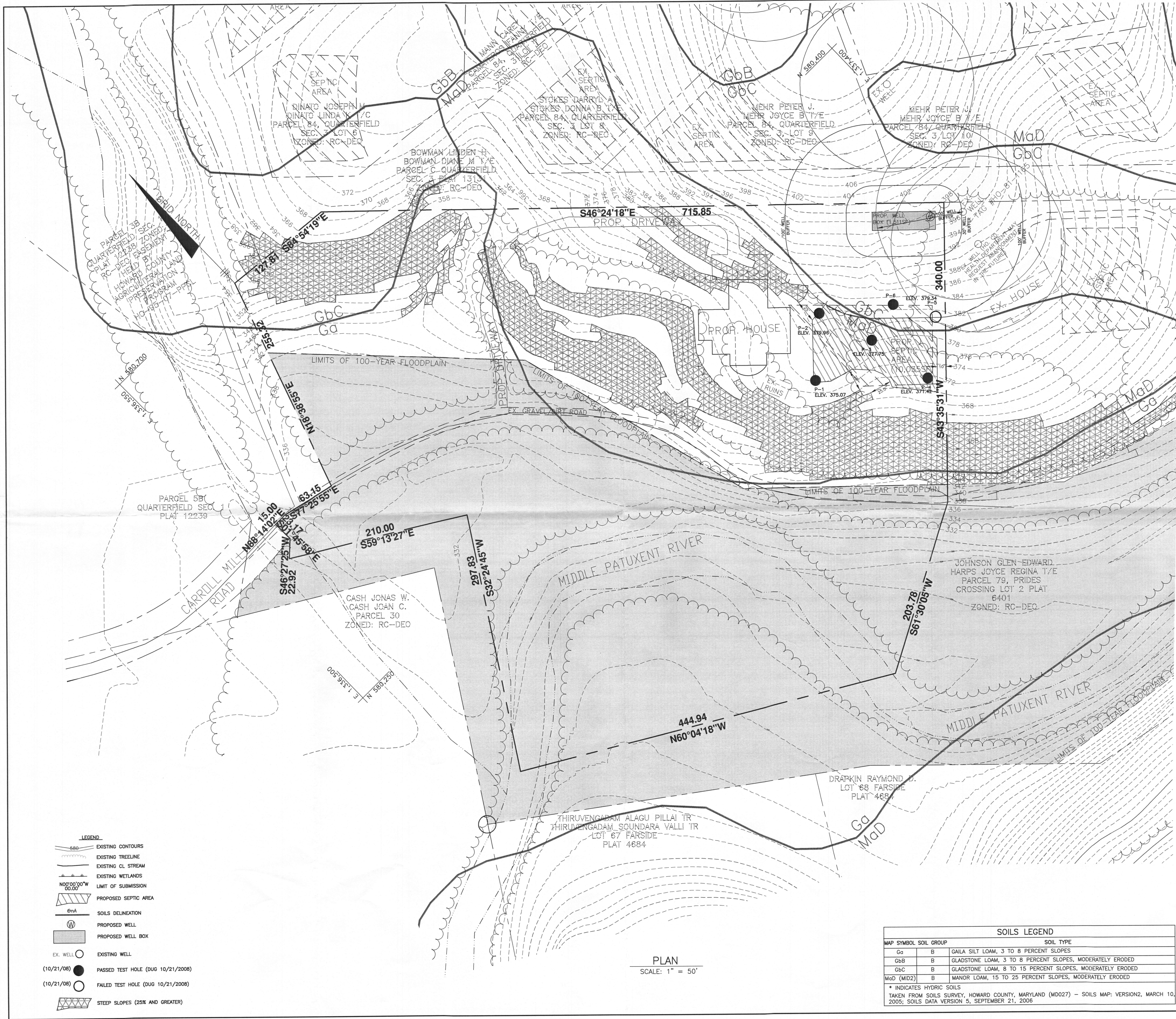
Sanitarians DB/RB Backhoe Donnie Others _____

Test Holes Used in _____ Avg. Perc Time 5 SQ.FT/BR 5 Bedrooms

Trench Width 3 Inlet Depth 4 Max Bot.Depth 6 Effective S/W 1

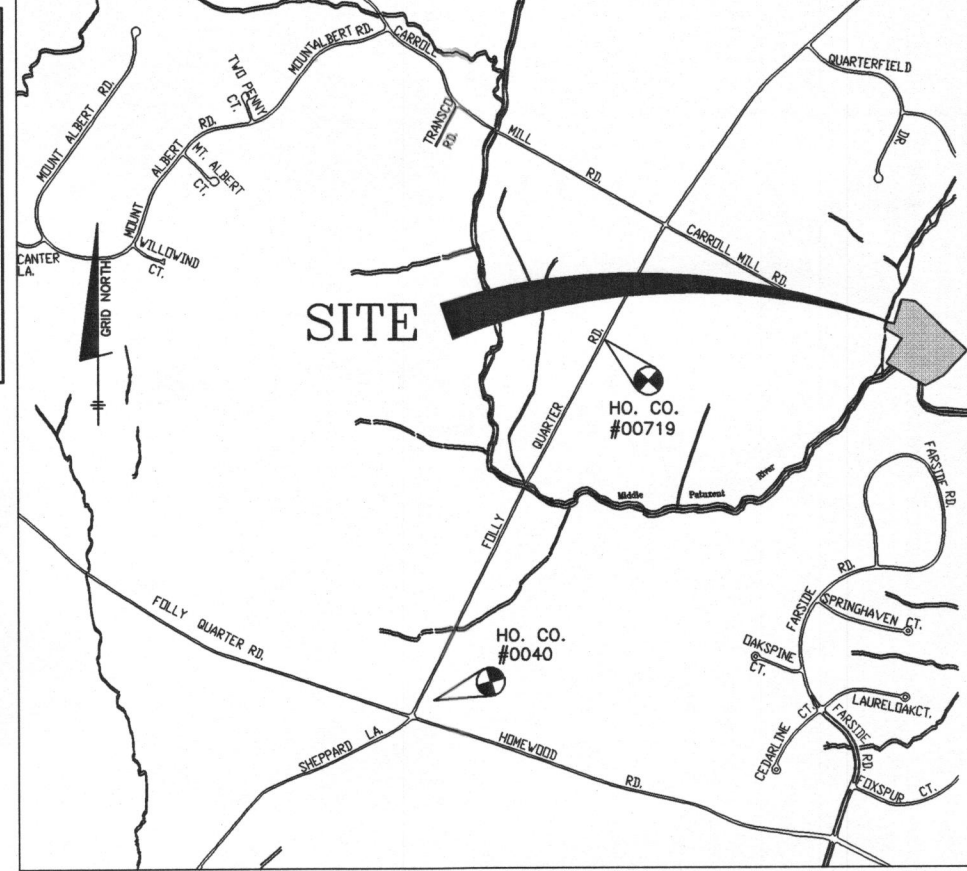
8006

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-----1'
BSCL
-----3.5'
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Vertical Sap.
Red - Yellow
Streaks
-----8'
Pale Yel-Red,
Brown SL
-----13'
Dk. Grayish
Brown LS
Fe Coatings
-----13.5'



BENCH MARKS (NAD'83)

HO. CO. No.0018	ELEV. 358.131
STAMPED BRASS DISK SET ON TOP OF CONCRETE (3" DEEP) COLUMN.	
N 580,468.098	E 1,333,675.52
HO. CO. No.0040	ELEV. 364.599
STAMPED BRASS DISK SET ON TOP OF CONCRETE (3" DEEP) COLUMN.	
N 577,270.584	E 1,332,002.58



ADC MAP 10 GRID H10
VICINITY MAP
SCALE: 1" = 2000'

GENERAL NOTES

- 1.) THE LOTS SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
- 2.) THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF AT LEAST 10,000 S.F. 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 SEWER IS AVAILABLE. THIS EASEMENT SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWER SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWERAGE EASEMENT. RECORDATION OF A MODIFIED SEWERAGE EASEMENT PLAT SHALL NOT BE REQUIRED.
- 3.) TOPOGRAPHY SHOWN IS BASED ON THE BEST FIT OF AN INTERPOLATION OF HOWARD COUNTY GIS COMBINED WITH TOPOGRAPHY FROM SURVEYS DONE BY SHANANGER AND LANE DATING 1987 AND 1995 TO ESTABLISH 2 FOOT CONTOURS. FIELD VERIFICATION OF THE ELEVATION AT THE PERCOLATION TESTING LOCATIONS SHOWN WAS PROVIDED BY BENCHMARK ENGINEERING, INC. ON OCTOBER 2008.
- 4.) EXISTING WELLS AND/OR SEWERAGE EASEMENTS WITHIN 100 FEET OF THE PROPERTY HAVE BEEN SHOWN FROM THE BEST AVAILABLE INFORMATION.
- 5.) ANY CHANGES TO A PRIVATE SEWERAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
- 6.) ALL WELLS SHALL BE DRILLED PRIOR TO FINAL PLAT RECORDATION. IT IS THE DEVELOPER'S RESPONSIBILITY TO SCHEDULE THE WELL DRILLING PRIOR TO FINAL PLAT SUBMISSION. IT WILL NOT BE CONSIDERED "GOVERNMENT DELAY" IF THE WELL DRILLING HOLDS-UP THE HEALTH DEPARTMENT SIGNATURE OF THE RECORD PLAT.
- 7.) THE EXISTING SEPTIC AREA (BEST FIT) AND 100 YEAR FLOODPLAIN SHOWN ON LOT 1 OF PRIDE'S CROSSING IS BASED ON PLAT C.M.P. NO. 6401 FILED SEPTEMBER 30, 1985.

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 KNOWLEDGE AND BELIEF.

Brian F. Cleary 4/14/2009
BRIAN F. CLEARY FOR BENCHMARK ENGINEERING, INC.
PLAT PREPARER

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEM
HOWARD COUNTY HEALTH DEPARTMENT

Brian F. Cleary 4/22/2009
HOWARD COUNTY HEALTH OFFICER DATE 17/0

- LEGEND**
- EXISTING CONTOURS
 - EXISTING TREELINE
 - EXISTING CL STREAM
 - EXISTING WETLANDS
 - LIMIT OF SUBMISSION
 - PROPOSED SEPTIC AREA
 - SOILS DELINEATION
 - PROPOSED WELL
 - PROPOSED WELL BOX
 - EX. WELL
 - EXISTING WELL
 - PASSED TEST HOLE (DUG 10/21/2008)
 - FAILED TEST HOLE (DUG 10/21/2008)
 - STEEP SLOPES (25% AND GREATER)

SOILS LEGEND

MAP SYMBOL	SOIL GROUP	SOIL TYPE
Go	B	GAILA SILT LOAM, 3 TO 8 PERCENT SLOPES
GbB	B	GLADSTONE LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED
GbC	B	GLADSTONE LOAM, 8 TO 15 PERCENT SLOPES, MODERATELY ERODED
MaD (MID2)	B	MANOR LOAM, 15 TO 25 PERCENT SLOPES, MODERATELY ERODED

* INDICATES HYDRIC SOILS
TAKEN FROM SOILS SURVEY, HOWARD COUNTY, MARYLAND (MD027) - SOILS MAP: VERSION2, MARCH 10, 2005; SOILS DATA VERSION 5, SEPTEMBER 21, 2006

PLAN
SCALE: 1" = 50'

BENCHMARK
ENGINEERS • LAND SURVEYORS • PLANNERS
ENGINEERING, INC.

8480 BALTIMORE NATIONAL PIKE • SUITE 418
ELLCOTT CITY, MARYLAND 21043
PHONE: 410-465-6105 • FAX: 410-465-6644
WWW.BEI-CIVILENGINEERING.COM

OWNER/DEVELOPER:
DAVID R. BRASHER
JENNIFER BRASHER T/E
111158 WOODS ELVES WAY
COLUMBIA, MD 21044-2629
(410) 997-0915

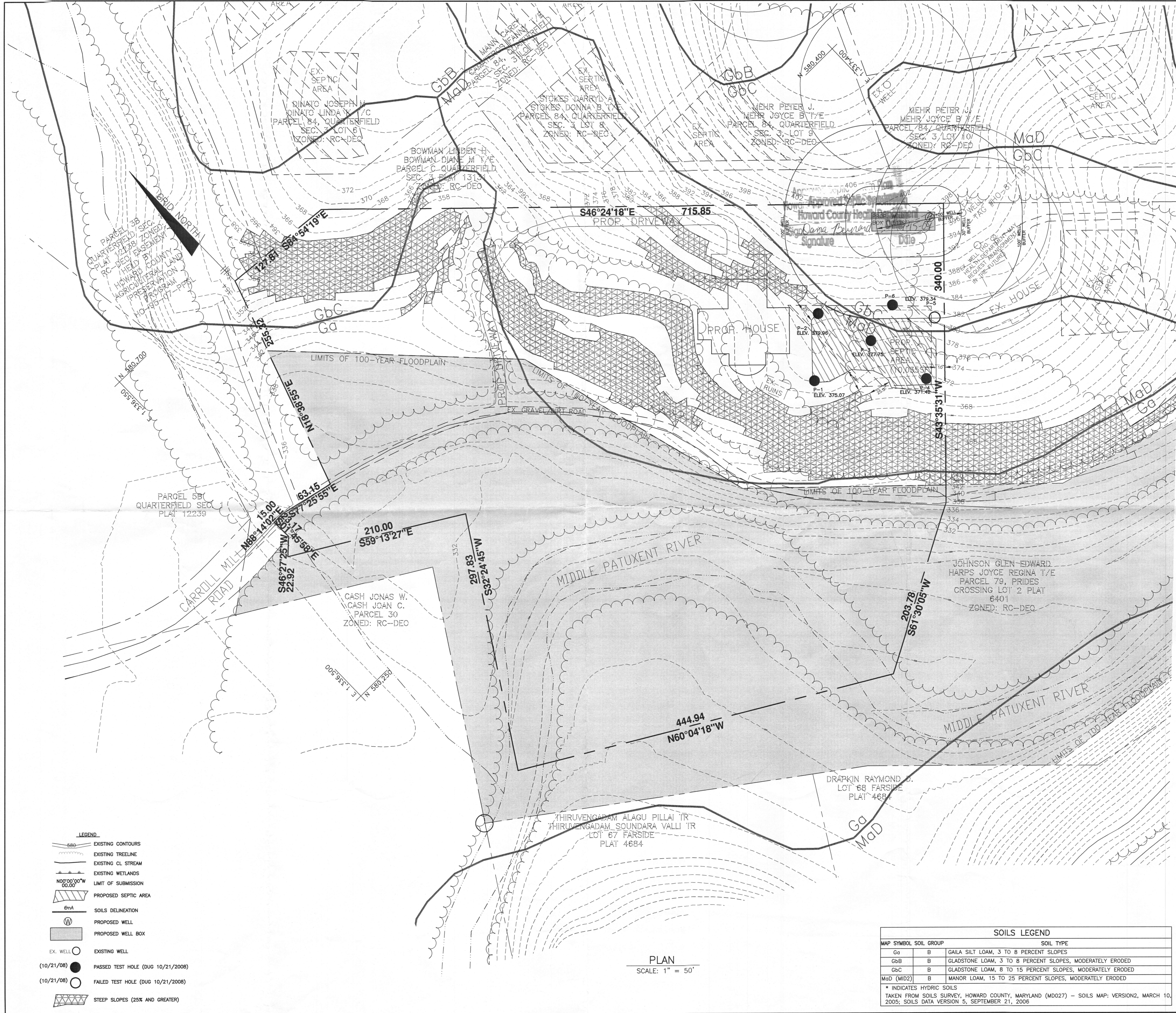
PRIDE'S CROSSING LOT 1

LOCATION: TAX MAP: 23, GRID: 15
PARCEL: 79
ELECTION DISTRICT NO. 3
HOWARD COUNTY, MARYLAND

TITLE:
PERCOLATION CERTIFICATION PLAN

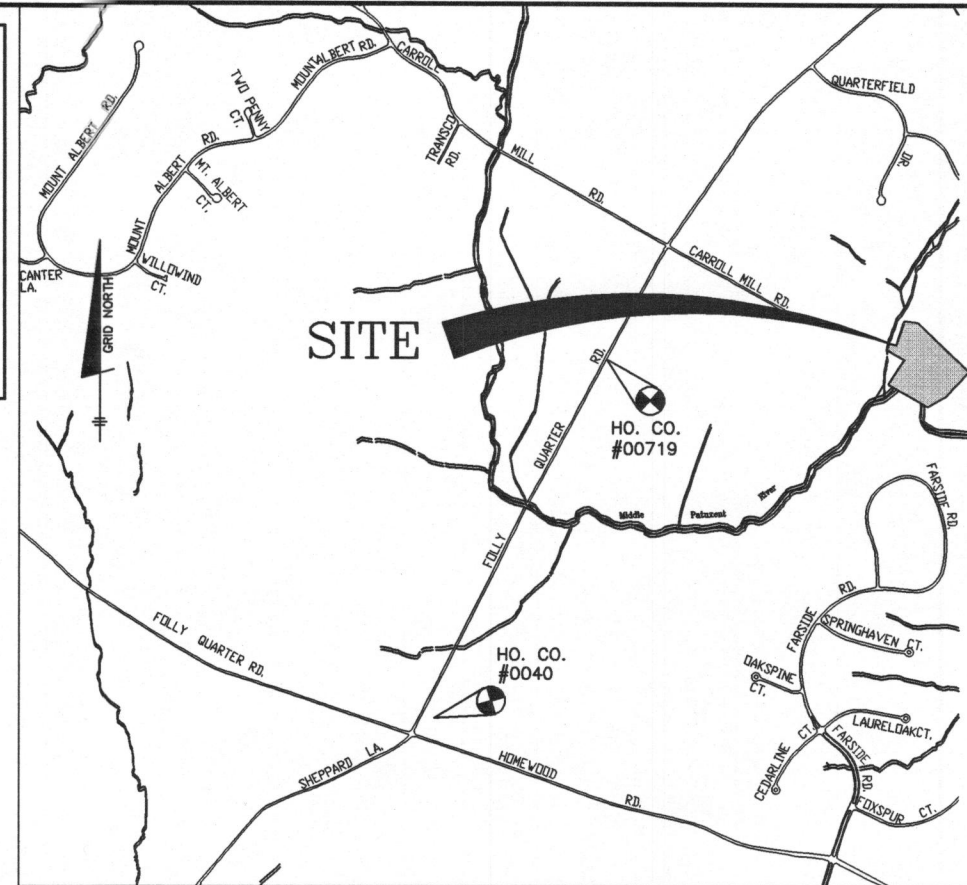
DATE: MARCH, 2009 BEI PROJ. NO. 2161

DESIGN: BFC DRAFT: BFC CHECK: DAM SCALE: 1" = 50' SHEET 1 OF 1



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PLAN PREPARER

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEM
HOWARD COUNTY HEALTH DEPARTMENT

Peter Beilenson 4/22/2009
HOWARD COUNTY HEALTH OFFICER DATE 2/20

- LEGEND**
- EXISTING CONTOURS
 - EXISTING TREELINE
 - EXISTING CL. STREAM
 - EXISTING WETLANDS
 - LIMIT OF SUBMISSION
 - PROPOSED SEPTIC AREA
 - SOILS DELINEATION
 - PROPOSED WELL
 - PROPOSED WELL BOX
 - EXISTING WELL
 - PASSED TEST HOLE (DUG 10/21/2008)
 - FAILED TEST HOLE (DUG 10/21/2008)
 - STEEP SLOPES (25% AND GREATER)

PLAN
SCALE: 1" = 50'

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