

APPLICATION

PERCOLATION TESTING

A 516084

P _____

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 313-2640

DISTRICT _____

DATE _____

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

I HEREBY APPLY FOR THE NECESSARY TEST PRIOR TO APPLICATION FOR PERMIT TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER SECURITY DEVELOPMENT, L.L.C.
P.O. BOX 417
ADDRESS ELLICOTT CITY, MD 21041 PHONE 410-465-4244

AGENT OR PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION HOMEWOOD LOT NO. 48

ROAD AND DESCRIPTION HOMEWOOD ROAD

TAX MAP 23 & 29 PARCEL # 20 & 86

SIZE OF LOT 1 ACRE ± TYPE BLDG. SINGLE FAMILY DETACHED
(SINGLE FAMILY DWELLING OR COMMERCIAL)

THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC FACILITIES BECOME AVAILABLE. I FULLY UNDERSTAND THE

FEE CONNECTED WITH THE FILING OF THIS PERC TEST APPLICATION IS NON-REFUNDABLE UNDER ANY CIRCUMSTANCES. I ALSO AGREE TO

COMPLY WITH ALL M.O.S.H.A. REQUIREMENTS IN TESTING THIS LOT. SECURITY DEVELOPMENT LLC
BY: [Signature] MEMBER
(SIGNATURE OF APPLICANT) STEVEN K. BIRNBAUM

APPROVED BY _____ FOR _____ DATE _____

DISAPPROVED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____

REASONS FOR REJECTION OR HOLDING _____

PERCOLATION TEST PLAT/PRELIMINARY PLAT - TITLE OR I.D. # _____ DATE _____

SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. # _____ DATE _____

THIS IS NOT A PERMIT

516084

COUNTY #

SOIL PROFILE

(48C)

Red Br
Heavy
Loam

5'-5.5'

Light Or
and Br
Fine Sa
Loam
15-20%
Saprolite

14'

(48B)

RED BROWN
LOAM
BROWN/ORG
SANDY
LOAMS
20%
SAPROLITE3 1/2'
5'

5'

(48A)

RD BROWN
HEAVY
LOAM1 1/2'
4 1/2'LT BROWN
SANDY
LOAM
20%
SAPROLITE

15'

IN
WOODS

N

(48A)

(47D)

(48B)

(48C)

(47E)

(47D)

org brn CL Lm
Trace Rxtan, y brn, micaceous Lm
Trace Rx

SANDY LOAM

tan brn. y brn Rx ≤ 5%

SOIL PROFILE

(47E)

Rd brn
hwy Lm
25-30%
Quartz5'
to
5.5'Light brn
Loam
Pocket of
Rock
~30%

7'

Beige Sand
Loam
5-10% Rx
Bottom

14'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

Hamewood Road 15'

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
4/18/02	(48C)	5.5'/14'	2:13:30	2:20:30	2:20:30	2:30:30	10
		6'	2:33	2:36:30	2:36:30	2:41:30	5
4/19/02	(48B)	5' T 15' V	3:26	3:29	3:29	3:34	5
		6 1/2' T 15' V	3:26	3:28	3:28	3:29	1 min
		REPAIR 6 1/2' T	3:33:30	3:36:15	3:36:15	3:39:50	3 1/2
4/19/02	48A	4 1/2' T 15' V	3:45	slow			
		6' T 15' V	3:43:50	3:44:34	3:44:34	3:46:15	2 min
		REPAIR 6' T	3:47:30	3:49:00	3:49:00	3:51:15	~2
	47E	5.5' 6.5'	Pulled - slow 1:02:30	1:06	1:06	1:16:30	10 1/2
		7.5' 14'	12:50:30	12:52:30		12:55:00	2 1/2

OK

OK

OK

OK

REMARKS Holes per plan 47D 5' Perc - 6 min

TYPE OF SOIL

TESTED BY BB/FA

ALSO PRESENT

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME

TRENCH WIDTH

INLET DEPTH

MAXIMUM BOTTOM DEPTH

SQ. FT/BEDROOM

APPLICATION

PERCOLATION TESTING

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BUREAU OF ENVIRONMENTAL HEALTH

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TELEPHONE: 313-2840

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TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

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PROPERTY OWNER Security Development, LLC

ADDRESS P.O. Box 417
Ellicott City, MD 21041

PHONE 410-465-4244

AGENT OR PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION Homewood LOT NO. 47

ROAD AND DESCRIPTION Homewood Rd.

TAX MAP 23+29 PARCEL # 20+86

SIZE OF LOT 1 Acre ± TYPE BLDG. SFD
(SINGLE FAMILY DWELLING OR COMMERCIAL)

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(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

DISAPPROVED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____

REASONS FOR REJECTION OR HOLDING _____

PERCOLATION TEST PLAT/PRELIMINARY PLAT - TITLE OR I.D. # _____ DATE _____

SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. # _____ DATE _____

THIS IS NOT A PERMIT

516084

COUNTY #

SOIL PROFILE

47D 47C

Org brn
Clay Lm
Trace R_xtan Trace
y brn
micaceous R_x
LoamSANDY
Loam
Horg brn
y brn
R_x Frag_s
≤ 5%

Bottom

47B

Strong brn
y brn
org brn
CL Lmbright org
micaceous
S. Lmorg brn
tan
Horg brn
vfr. saprolite
≤ 5%

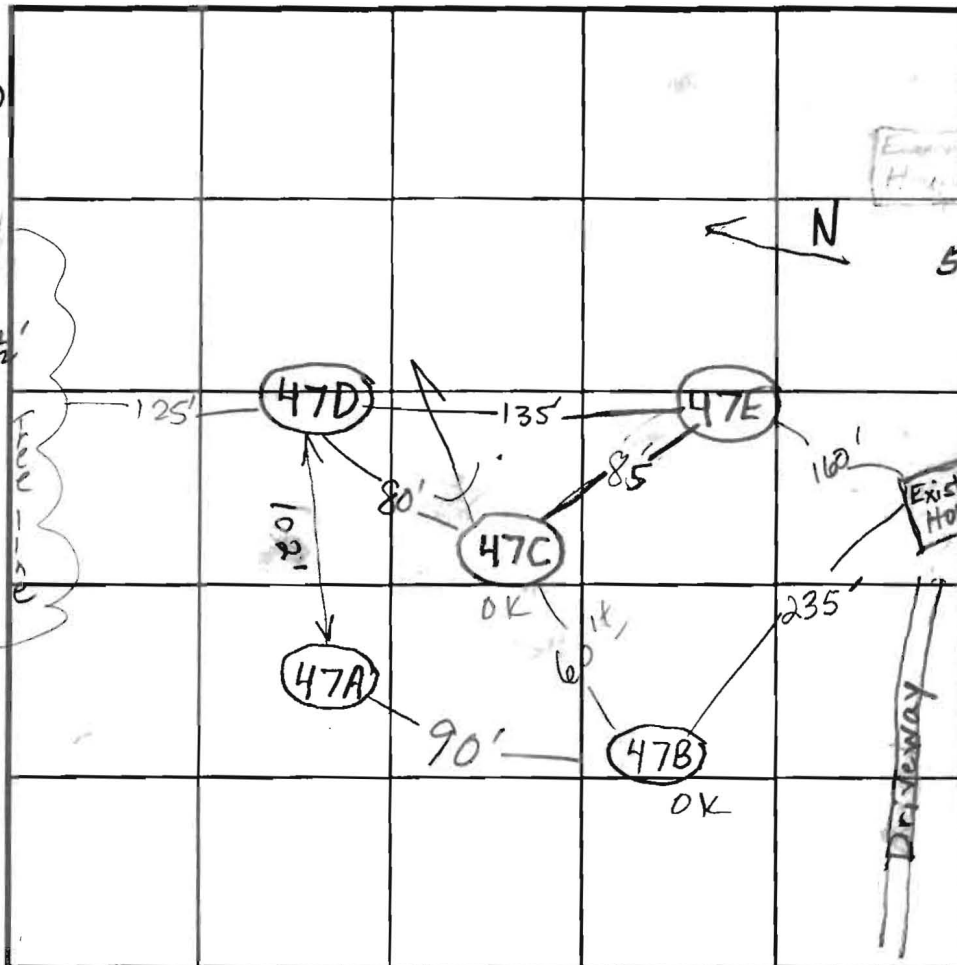
Bottom

47A

Strong, dense
rd brn CL-
CL Lmmicac
Lm-salm
org brn
Av ≤ 5%Trace
Yellow
org brnLoamy
Sand to
SAND
Fr saprolite
Bottom

SOIL PROFILE

47E

Red Br
Heavy
LoamLight Br
Loam
Pocket of
~30% RockBeige Sa
Loam
5-10%
Rock

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

Homewood Road

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
5-9-02	47B	3'10"S	10:32	10:36	10:36	10:45:52	9 min	OK
		7' M	10:32:28	10:33:40	10:33:40	10:34:50	~1	OK
		15' V	10:35:58	10:37:17	10:37:17	10:38:47	~1 1/2	OK
		12x12	10:46:28	10:48:53	10:48:53	10:51:54	3 min	OK
	47C	3'6"S	10:54:30	Too Slow				
		6'8" M/15' V	10:54:50	10:56:33		11:01:02	3 min	OK
	47D	5' S	11:04:11	11:07:30	11:07:30	11:13:30	6 min	OK
		6'8" M/15' V	11:04:44	11:06:50	11:06:50	11:10:30	4 min	OK
	47A	3'9" M	11:18:19	11:32	11:32	12:00	26 min	OK
		6'10" M	11:18:35	11:21:15	11:21:15	11:25:09	4	OK
	47C	5'	11:02	11:02:45	11:02:45	11:04:30	1 1/2	OK
4-18-02	47E	5.5' / 14' V	Pulled	Slow			Slow	
		7.5'	12:50:30	12:52:30	12:52:30	12:55	2 1/2	
		6.5'	1:02:30	1:06	1:06	1:16:30	10 1/2	OK

REMARKS 12x12 deep holes Holes per plan

TYPE OF SOIL

TESTED BY BB / KG

ALSO PRESENT HATFIELDS

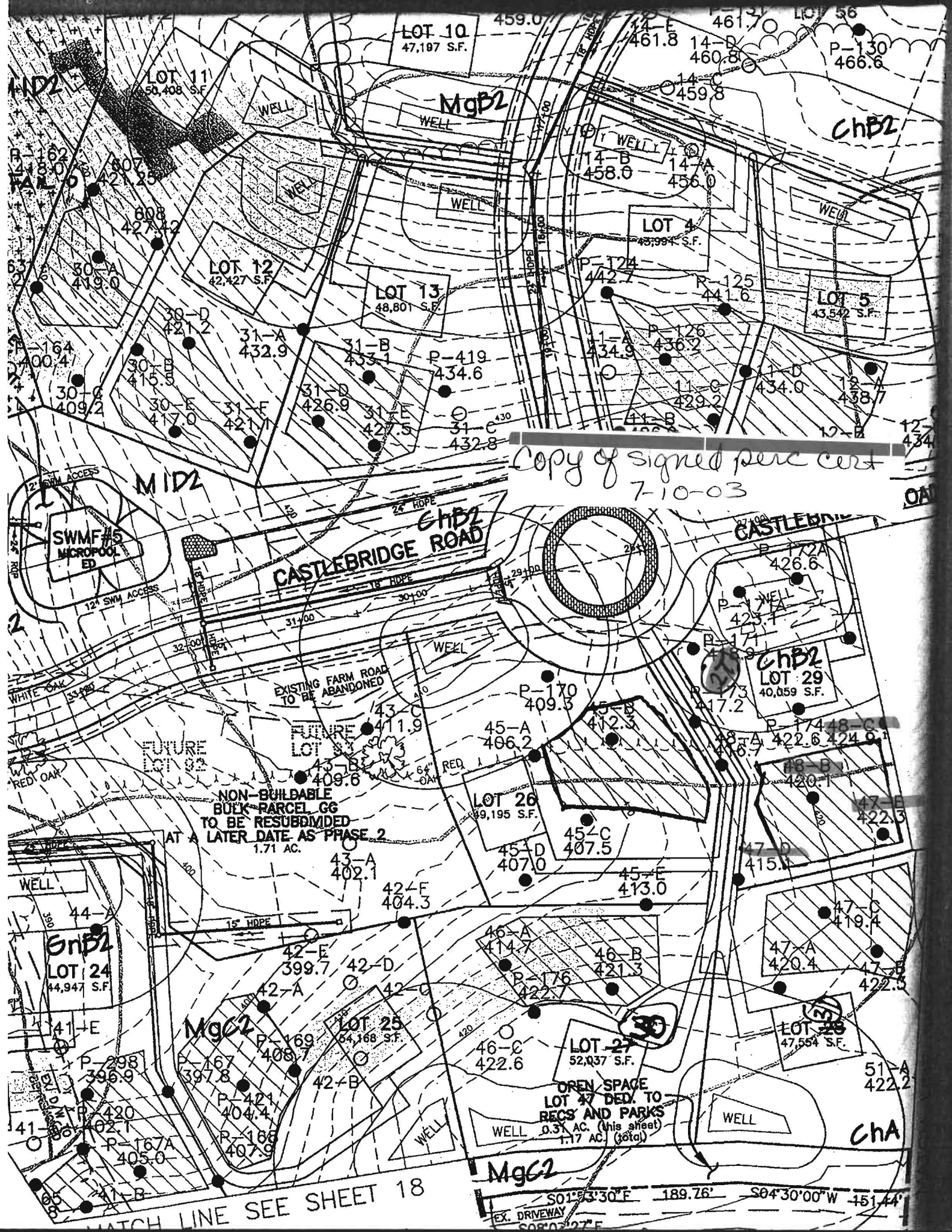
TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME

TRENCH WIDTH

INLET DEPTH

MAXIMUM BOTTOM DEPTH

SQ. FT/BEDROOM



Copy of signed perc cert
7-10-03

CASTLEBRIDGE ROAD

EXISTING FARM ROAD
TO BE ABANDONED

FUTURE
LOT 92

NON-BUILDABLE
BULK-PARCEL GG
TO BE RESUBMITTED
AT A LATER DATE AS PHASE 2
1.71 AC.

LOT 26
39,195 S.F.

LOT 27
52,037 S.F.

LOT 28
47,554 S.F.

OPEN SPACE
LOT 47 DED. TO
RECS AND PARKS
0.31 AC. (this sheet)
1.17 AC. (total)

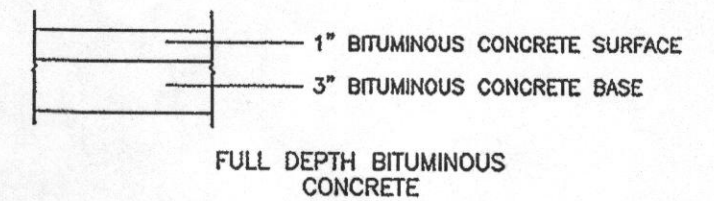
MATCH LINE SEE SHEET 18

MgB2
S01°53'30"E 189.76' S04°30'00"W 451.44'
EX. DRIVEWAY
S08°03'27"E



NOTES:

1. THE LOT SHOWN HEREON WAS RECORDED ON THE PLAT FOR RIVERWOOD, PLAT No. 18034. REFER TO THE PLAT FOR LOT DIMENSIONS, LOT AREAS AND ALL EASEMENTS.
2. THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF 10,000 SQUARE FEET AS REQUIRED BY THE STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWERAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA IS RESTRICTED UNTIL PUBLIC SEWER IS AVAILABLE. THIS EASEMENT 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. ANY CHANGES TO A PRIVATE SEWERAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN. RECORDATION OF A MODIFIED SEWERAGE EASEMENT PLAT SHALL NOT BE NECESSARY.
3. SEDIMENT AND EROSION CONTROLS WERE APPROVED BY HOWARD SOIL CONSERVATION DISTRICT UNDER GP-05-31 AND MODIFIED FOR THIS SPECIFIC HOUSE.
4. TOPOGRAPHY SHOWN HEREON IS TAKEN FROM THE APPROVED ROAD CONSTRUCTION PLANS AND HAS BEEN FIELD VERIFIED BY J.A. RICE, INC., ON OR ABOUT SEPTEMBER 2002.
5. EXACT LENGTH OF SEPTIC TRENCHES ARE TO BE DETERMINED BY THE HEALTH DEPARTMENT AT THE TIME OF TRENCH LAYOUT AND INSPECTION.
6. SPOIL FROM THE TRENCHING OF THE SEPTIC AREA IS TO BE PLACED ON THE UPHILL SIDE OF THE EXCAVATION FOR EACH INDIVIDUAL LOT.
7. ALL SEDIMENT AND EROSION CONTROL FEATURES USED ON THIS SITE SHALL COMPLY WITH 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
8. ALL DRAINAGE AND STORMWATER MANAGEMENT FEATURES USED ON THIS SITE MUST COMPLY WITH THE APPROVED ROAD CONSTRUCTION PLANS.
9. SEPTIC TANK FOR THIS LOT TO BE 2,000 GALLONS.
10. THE EXISTING WELL SHOWN ON THIS PLAN, HO-95-0012, HAS BEEN FIELD LOCATED BY BENCHMARK ENGINEERING, INC. AND IS ACCURATELY SHOWN.
11. THERE ARE NO EXISTING WELLS OR SEPTIC SYSTEMS WITHIN 100' OF THIS PROJECT'S BOUNDARY EXCEPT AS NOTED.
12. THE PURPOSE FOR THIS PERCOLATION CERTIFICATION PLAN IS TO REVISE THE WELL ENVELOPE IN ORDER TO ALLOW A DETACHED GARAGE.
13. ANY CHANGES TO A PRIVATE SEWERAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
14. STORMWATER MANAGEMENT FOR THIS LOT IS PROVIDED IN FACILITY #4, WET-ED POND, AS SHOWN ON THE FINAL ROAD CONSTRUCTION PLANS, F-04-82.



PAVING SECTION
NOT TO SCALE

LEGEND

- EXISTING CONTOURS ESTABLISHED UNDER F-04-082
- FIELD SURVEYED WELL LOCATION
- PASSED PERCOLATION TEST PER TEST NOTES
- FAILED PERCOLATION TEST PER TEST NOTES
- EXISTING APPROVED SEPTIC RESERVE AREA
- PROPOSED REVISED SEPTIC RESERVE AREA

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.

John M. Carney 5/2/10
PLAN PREPARER
JOHN M. CARNEY FOR BENCHMARK ENGINEERING, INC.

APPROVED:
FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT

Michael J. Davis 5/24/10
DATE
COUNTY HEALTH OFFICER

BENCHMARK ENGINEERS • LAND SURVEYORS • PLANNERS ENGINEERING, INC.

8480 BALTIMORE NATIONAL PIKE • SUITE 418
ELLICOTT CITY, MARYLAND 21043
PHONE: 410-465-6105 • FAX: 410-465-6644
EMAIL: benchmark@ccis.com

OWNER/BUILDER:

CAMBERLEY HOMES, INC.
6905 ROCKLEDGE DRIVE
SUITE 800
BETHESDA, MD 20817
PHONE: 301-803-4800
FAX: 301-803-4929

PROJECT:

RIVERWOOD
LOT 27

LOCATION:

4853 KINSALE COURT
ELLICOTT CITY, MD 21042
TAX MAP No. 29 - BLOCK Nos. 3, 4, 9 & 10 - PARCEL No. 20
3rd ELECTION DISTRICT, HOWARD COUNTY, MARYLAND

TITLE:

REVISED PERCOLATION
CERTIFICATION PLAN

HOUSE TYPE:

PRESTON

DATE:

MAY 7, 2010

PROJECT NO.

1950

SCALE:

1" = 30'

DRAWING

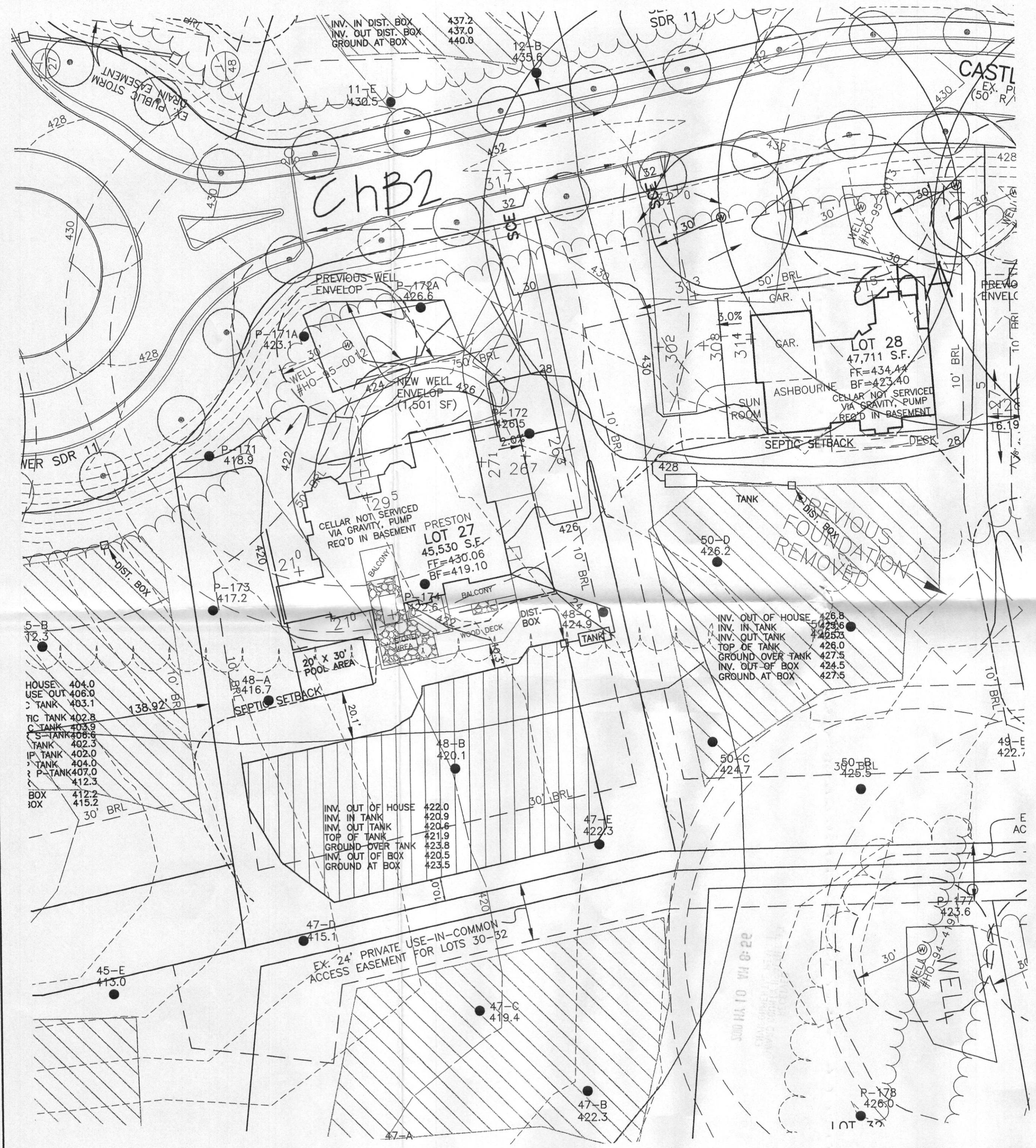
1 OF 1

DESIGN:

JMC

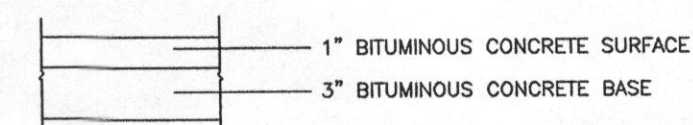
DRAFT:

JMC



NOTES:

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11. THERE ARE NO EXISTING WELLS OR SEPTIC SYSTEMS WITHIN 100' OF THIS PROJECT'S BOUNDARY EXCEPT AS NOTED.
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14. STORMWATER MANAGEMENT FOR THIS LOT IS PROVIDED IN FACILITY #4, WET-ED POND, AS SHOWN ON THE FINAL ROAD CONSTRUCTION PLANS, F-04-82.



PAVING SECTION
NOT TO SCALE

LEGEND

- EXISTING CONTOURS ESTABLISHED UNDER F-04-082
- FIELD SURVEYED WELL LOCATION
- PASSED PERCOLATION TEST PER TEST NOTES
- FAILED PERCOLATION TEST PER TEST NOTES
- EXISTING APPROVED SEPTIC RESERVE AREA
- PROPOSED REVISED SEPTIC RESERVE AREA

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John M. Carney 5/2/10
PLAN PREPARER
JOHN M. CARNEY FOR BENCHMARK ENGINEERING, INC.

APPROVED:
FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT

Robert J. Davis 5/24/10
COUNTY HEALTH OFFICER DATE

BENCHMARK
ENGINEERS • LAND SURVEYORS • PLANNERS
ENGINEERING, INC.

8480 BALTIMORE NATIONAL PIKE • SUITE 418
ELLICOTT CITY, MARYLAND 21043
PHONE: 410-465-6105 • FAX: 410-465-6644
EMAIL: benchmrk@cais.com

OWNER/BUILDER:
CAMBERLEY HOMES, INC.
6905 ROCKLEDGE DRIVE
SUITE 800
BETHESDA, MD 20817
PHONE: 301-803-4800
FAX: 301-803-4929

PROJECT:
RIVERWOOD LOT 27

LOCATION: 4853 KINSALE COURT *Castleton Ridge*
ELLICOTT CITY, MD 21042
TAX MAP No. 29 - BLOCK Nos. 3, 4, 9 & 10 - PARCEL No. 20
3rd ELECTION DISTRICT, HOWARD COUNTY, MARYLAND

TITLE: **REVISED PERCOLATION CERTIFICATION PLAN**

HOUSE TYPE: **PRESTON**

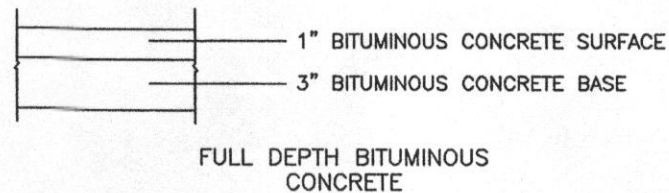
DATE: MAY 7, 2010 PROJECT NO. 1950

SCALE: 1" = 30' DRAWING 1 OF 1



NOTES:

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NOT TO SCALE

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John M. Carney 5/27/10
PLAN PREPARER
JOHN M. CARNEY FOR BENCHMARK ENGINEERING, INC.

APPROVED:
FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT

Michael J. Davis 5/24/10
COUNTY HEALTH OFFICER DATE

BENCHMARK
ENGINEERS ▲ LAND SURVEYORS ▲ PLANNERS
ENGINEERING, INC.

8480 BALTIMORE NATIONAL PIKE ▲ SUITE 418
ELLICOTT CITY, MARYLAND 21043
PHONE: 410-465-6105 ▲ FAX: 410-465-6644
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6905 ROCKLEDGE DRIVE
SUITE 800
BETHESDA, MD 20817
PHONE: 301-803-4800
FAX: 301-803-4929

PROJECT:
**RIVERWOOD
LOT 27**

LOCATION:
4853 KINSALE COURT
ELLICOTT CITY, MD 21042
TAX MAP No. 29 - BLOCK Nos. 3, 4, 9 & 10 - PARCEL No. 20
3rd ELECTION DISTRICT, HOWARD COUNTY, MARYLAND

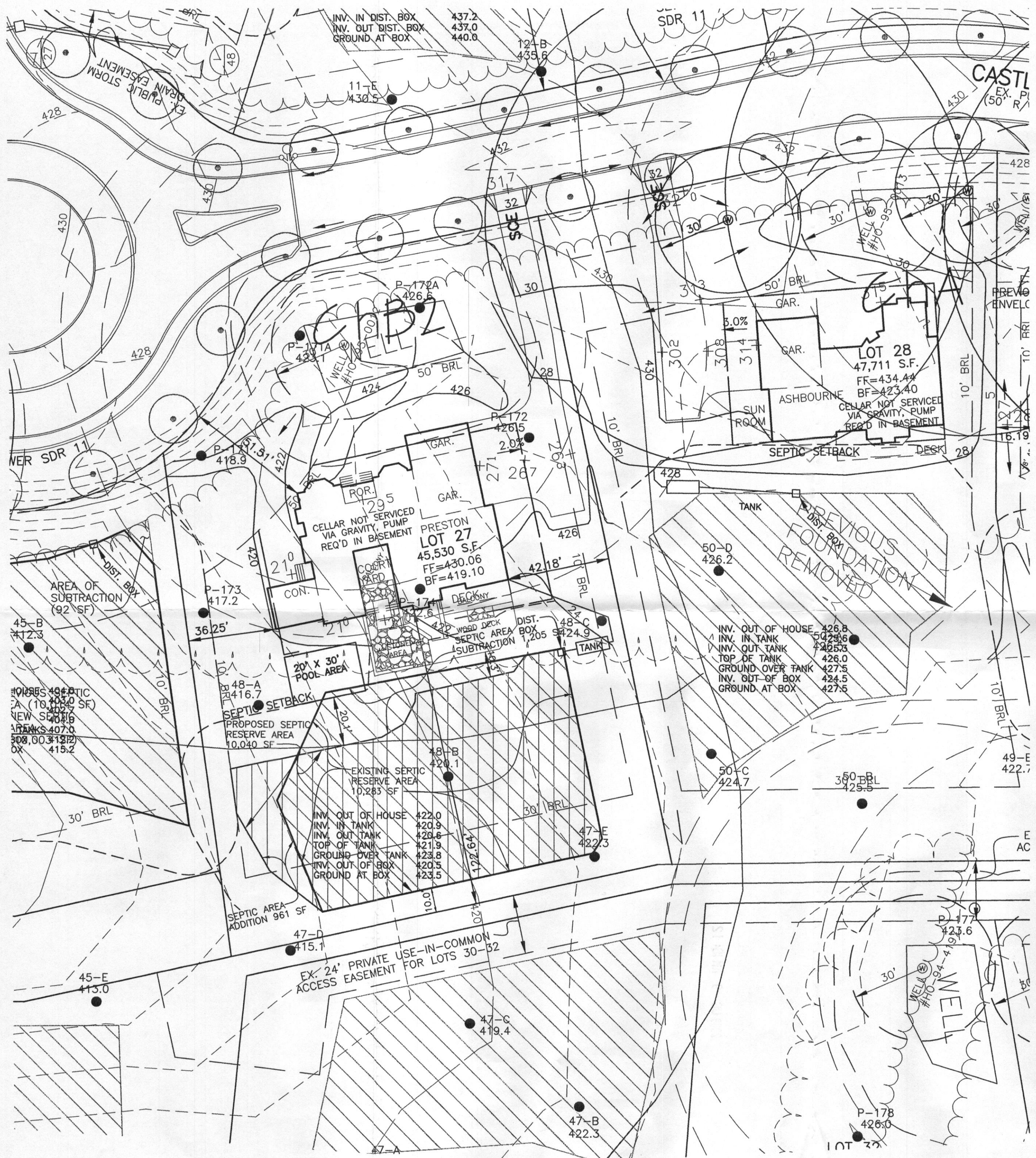
TITLE:
**REVISED PERCOLATION
CERTIFICATION PLAN**

HOUSE TYPE:
PRESTON

DATE: MAY 7, 2010 PROJECT NO. 1950

SCALE: 1" = 30' DRAWING 1 OF 1

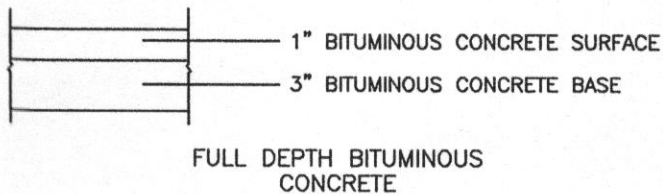
DESIGN: JMC DRAFT: JMC



- NOTES:**
1. THE LOT SHOWN HEREON WAS RECORDED ON THE PLAT FOR RIVERWOOD, PLAT No. 18034, REFER TO THE PLAT FOR LOT DIMENSIONS, LOT AREAS AND ALL EASEMENTS.
 2. THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF 10,000 SQUARE FEET AS REQUIRED BY THE STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWER DISPOSAL IMPROVEMENTS OF ANY NATURE IN THIS AREA IS RESTRICTED UNTIL PUBLIC SEWER IS AVAILABLE. THIS EASEMENT 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. ANY CHANGES TO A PRIVATE SEWERAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN. RECORDATION OF A MODIFIED SEWERAGE EASEMENT PLAT SHALL NOT BE NECESSARY.
 3. SEDIMENT AND EROSION CONTROLS WERE APPROVED BY HOWARD SOIL CONSERVATION DISTRICT UNDER GP-05-31 AND MODIFIED FOR THIS SPECIFIC HOUSE.
 4. TOPOGRAPHY SHOWN HEREON IS TAKEN FROM THE APPROVED ROAD CONSTRUCTION PLANS AND HAS BEEN FIELD VERIFIED BY J.A. RICE, INC., ON OR ABOUT SEPTEMBER 2002.
 5. EXACT LENGTH OF SEPTIC TRENCHES ARE TO BE DETERMINED BY THE HEALTH DEPARTMENT AT THE TIME OF TRENCH LAYOUT AND INSPECTION.
 6. SPOIL FROM THE TRENCHING OF THE SEPTIC AREA IS TO BE PLACED ON THE UPHILL SIDE OF THE EXCAVATION FOR EACH INDIVIDUAL LOT.
 7. ALL SEDIMENT AND EROSION CONTROL FEATURES USED ON THIS SITE SHALL COMPLY WITH 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
 8. ALL DRAINAGE AND STORMWATER MANAGEMENT FEATURES USED ON THIS SITE MUST COMPLY WITH THE APPROVED ROAD CONSTRUCTION PLANS.
 9. SEPTIC TANK FOR THIS LOT TO BE 2,000 GALLONS.
 10. THE EXISTING WELL SHOWN ON THIS PLAN, HO-95-0012, HAS BEEN FIELD LOCATED BY BENCHMARK ENGINEERING, INC. AND IS ACCURATELY SHOWN.
 11. THERE ARE NO EXISTING WELLS OR SEPTIC SYSTEMS WITHIN 100' OF THIS PROJECT'S BOUNDARY EXCEPT AS NOTED.
 12. THE PURPOSE FOR THIS PERCOLATION CERTIFICATION PLAN IS TO REVISE THE SEPTIC AREA IN ORDER TO ALLOW A POOL AREA AND THE EXISTING PATIO.
 13. ANY CHANGES TO A PRIVATE SEWERAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
 14. STORMWATER MANAGEMENT FOR THIS LOT IS PROVIDED IN FACILITY #4, WET-ED POND, AS SHOWN ON THE FINAL ROAD CONSTRUCTION PLANS, F-04-82.

LEGEND

- EXISTING CONTOURS ESTABLISHED UNDER F-04-082
- FIELD SURVEYED WELL LOCATION
- PASSED PERCOLATION TEST PER TEST NOTES
- EXISTING APPROVED SEPTIC RESERVE AREA
- PROPOSED RESIVED SEPTIC RESERVE AREA



PAVING SECTION
NOT TO SCALE

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.

John M. Carney 10/8/09
PLAN PREPARER
JOHN M. CARNEY FOR BENCHMARK ENGINEERING, INC.

APPROVED:
FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT

Michael J. Quinn 10/26/09
COUNTY HEALTH OFFICER DATE

BENCHMARK
ENGINEERS ▲ LAND SURVEYORS ▲ PLANNERS
ENGINEERING, INC.

8480 BALTIMORE NATIONAL PIKE ▲ SUITE 418
ELLICOTT CITY, MARYLAND 21043
PHONE: 410-465-6105 ▲ FAX: 410-465-6644
EMAIL: benchmark@ccais.com

OWNER/BUILDER:

CAMBERLEY HOMES, INC.
6905 ROCKLEDGE DRIVE
SUITE 800
BETHESDA, MD 20817
PHONE: 301-803-4800
FAX: 301-803-4929

PROJECT:

**RIVERWOOD
LOT 27**

LOCATION: 4853 KINSALE COURT
ELLICOTT CITY, MD 21042
TAX MAP No. 29 - BLOCK Nos. 3, 4, 9 & 10 - PARCEL No. 20
3rd ELECTION DISTRICT, HOWARD COUNTY, MARYLAND

TITLE: **REVISED PERCOLATION
CERTIFICATION PLAN**

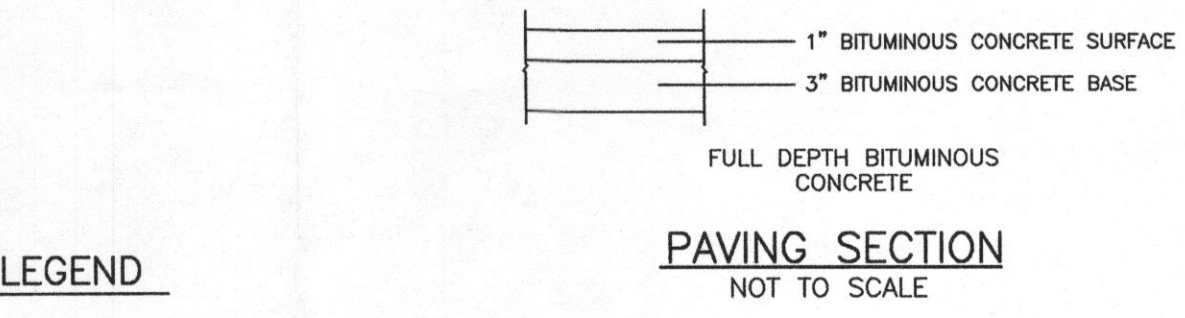
HOUSE TYPE: **PRESTON**

DATE: **OCTOBER 7, 2009** PROJECT NO. **1950**

DESIGN: JMC DRAFT: JMC SCALE: 1" = 30' DRAWING **1** OF **1**



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LEGEND

- EXISTING CONTOURS ESTABLISHED UNDER F-04-082
- FIELD SURVEYED WELL LOCATION
- PASSED PERCOLATION TEST PER TEST NOTES
- EXISTING APPROVED SEPTIC RESERVE AREA
- PROPOSED RESIVED SEPTIC RESERVE AREA

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.

John M. Carney 10/8/09
PLAN PREPARER
JOHN M. CARNEY FOR BENCHMARK ENGINEERING, INC.

APPROVED:
FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT

Michael J. Davis 10/16/09
COUNTY HEALTH OFFICER DATE

BENCHMARK
ENGINEERS ▲ LAND SURVEYORS ▲ PLANNERS
ENGINEERING, INC.
8480 BALTIMORE NATIONAL PIKE ▲ SUITE 418
ELLICOTT CITY, MARYLAND 21043
PHONE: 410-465-6105 ▲ FAX: 410-465-6844
EMAIL: benchmark@cois.com

OWNER/BUILDER: CAMBERLEY HOMES, INC. 6905 ROCKLEDGE DRIVE SUITE 800 BETHESDA, MD 20817 PHONE: 301-803-4800 FAX: 301-803-4929		PROJECT: RIVERWOOD LOT 27 <i>Castlebridge</i> LOCATION: 4853 KINSALE COURT ELLICOTT CITY, MD 21042 TAX MAP No. 29 - BLOCK Nos. 3, 4, 9 & 10 - PARCEL No. 20 3rd ELECTION DISTRICT, HOWARD COUNTY, MARYLAND TITLE: REVISED PERCOLATION CERTIFICATION PLAN HOUSE TYPE: PRESTON DATE: OCTOBER 7, 2009 PROJECT NO. 1950 SCALE: 1" = 30' DRAWING 1 OF 1	
DESIGN: JMC	DRAFT: JMC		