

# APPLICATION

PERCOLATION TESTING

A \_\_\_\_\_

P \_\_\_\_\_

HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH  
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: 313-2640

DISTRICT 5

DATE 3-8-02

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 Thomas C. Curtis and Betty Jean Curtis

ADDRESS 13471 Triadelphia Mill Rd., Clarksville, MD 21029 PHONE 301-854-2141

AGENT OR PROSPECTIVE BUYER Highland Development Corporation, Richard J. Demmitt, President

ADDRESS PO Box ~~228~~ Clarksville, MD ~~21029~~ 21029 PHONE 410-531-5539  
L-228

PROPERTY LOCATION:

SUBDIVISION Curtis Property LOT NO. 10

ROAD AND DESCRIPTION Triadelphia Mill Road

TAX MAP 34 PARCEL # 2

SIZE OF LOT 1 Acre TYPE BLDG. SFD  
(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.

*Richard J. Demmitt*  
(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

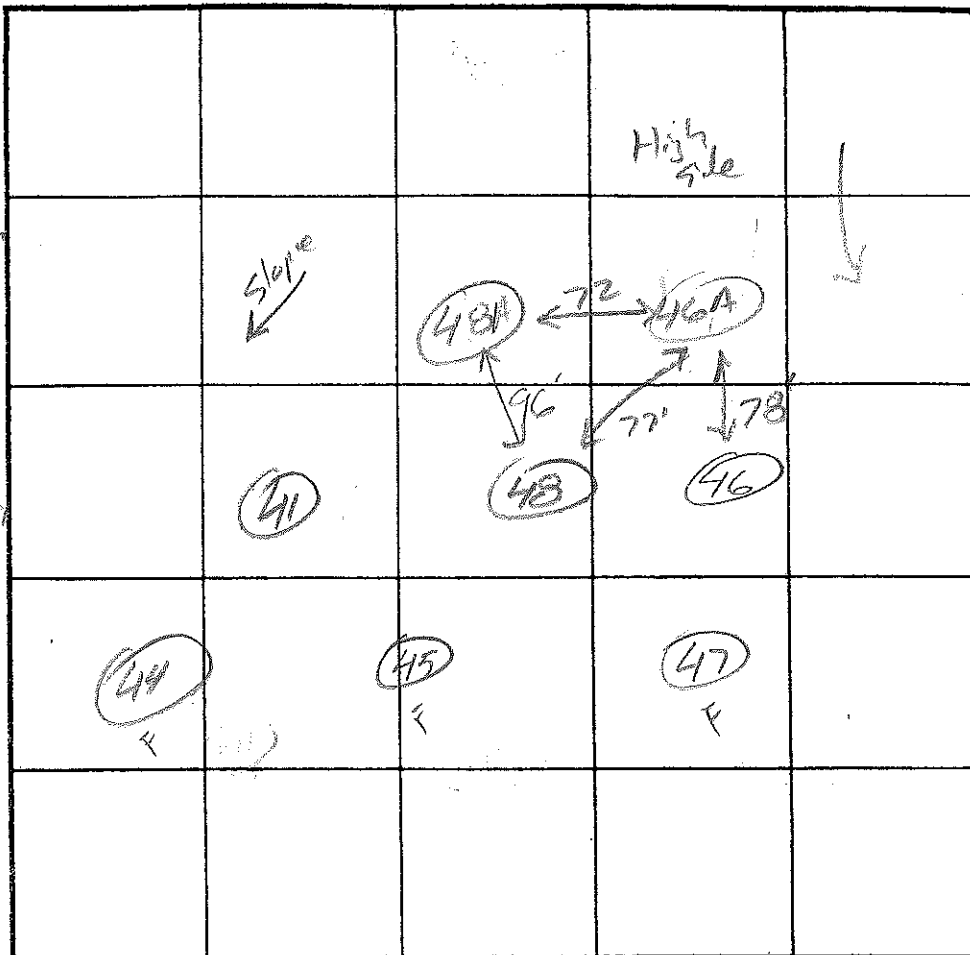
COUNTY #

SOIL PROFILE

0' P-41  
 Brown  
 L  
 2 1/2' Heavy red brown  
 L  
 ↓  
 becomes less dense  
 6 1/2' Fine Muscles  
 SL w/ 0.5 channery frags

12 1/2' P-44  
 red brown  
 CL  
 ↓  
 5-10% channery  
 ↓  
 Loam  
 4'  
 red brown  
 muscivorous  
 SL  
 0-5% channery  
 frags  
 10 1/2'  
 mottled muscivorous  
 SL  
 slight H<sub>2</sub>O  
 12'

P-45  
 Red Brown  
 CL  
 ↓  
 4 1/2'  
 Fine  
 red brown  
 muscivorous  
 CL  
 w/ 0.5%  
 channery  
 frags  
 10'  
 gray mottled  
 muscivorous SL  
 1 1/2' H<sub>2</sub>O



SOIL PROFILE

0' P-46  
 red brown  
 CL  
 4/5-10%  
 channery  
 frags  
 4'  
 mottled  
 muscivorous  
 L w/ 15-20%  
 manganese  
 nodules  
 12'  
 ? H<sub>2</sub>O

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
6/18/02	P-41	4 1/2' / 12 1/2'	2:18:00	2:20:45	2:20:45	2:25:00	5:45 OK
		6' / 12 1/2'	2:32:00	2:39:45	2:39:45	2:52:45	13
6/19/02	P-44	5' / 12'	8:43:15	8:47:15	8:47:15	8:55:00	7:15 F
			FAILS	H <sub>2</sub> O @ 10"			
6/19/02	P-45	5' / 11 1/2'	8:45:00	8:47:45	8:47:45	8:54:00	6:15 F
			FAILS	H <sub>2</sub> O @ 10"			
6/19/02	P-46	5' / 12'	9:05:00	9:12:45	9:12:45	9:31:15	14:30

REMARKS SDA TO MOVE UPHILL  
 TYPE OF SOIL Clayels  
 TESTED BY J. Boris ALSO PRESENT \_\_\_\_\_  
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 9 TRENCH WIDTH 3  
 INLET DEPTH 4 MAXIMUM BOTTOM DEPTH 6 SQ. FT./BEDROOM 210

COUNTY #

SOIL PROFILE

0' red brown  
CL  
↓  
L  
3  
Fine micaceous  
SL w/ 0-15%  
channery  
frag.

9

10 1/2

P-478  
Brown  
↓  
CL  
3  
Fine micaceous  
SL with  
10-15%  
weak aggregate

12 1/2

P-46A  
Fine red  
brown  
L w/ 10-15%  
channery  
frag.  
3  
Fine red brown  
micaceous  
SL w/ 10-15%  
weak aggregate

3

13


SOIL PROFILE

0' 46A  
Brown  
↓  
Heavy red brown  
3 1/2  
Fine red brown  
SL  
w/ 10-15%  
frag.

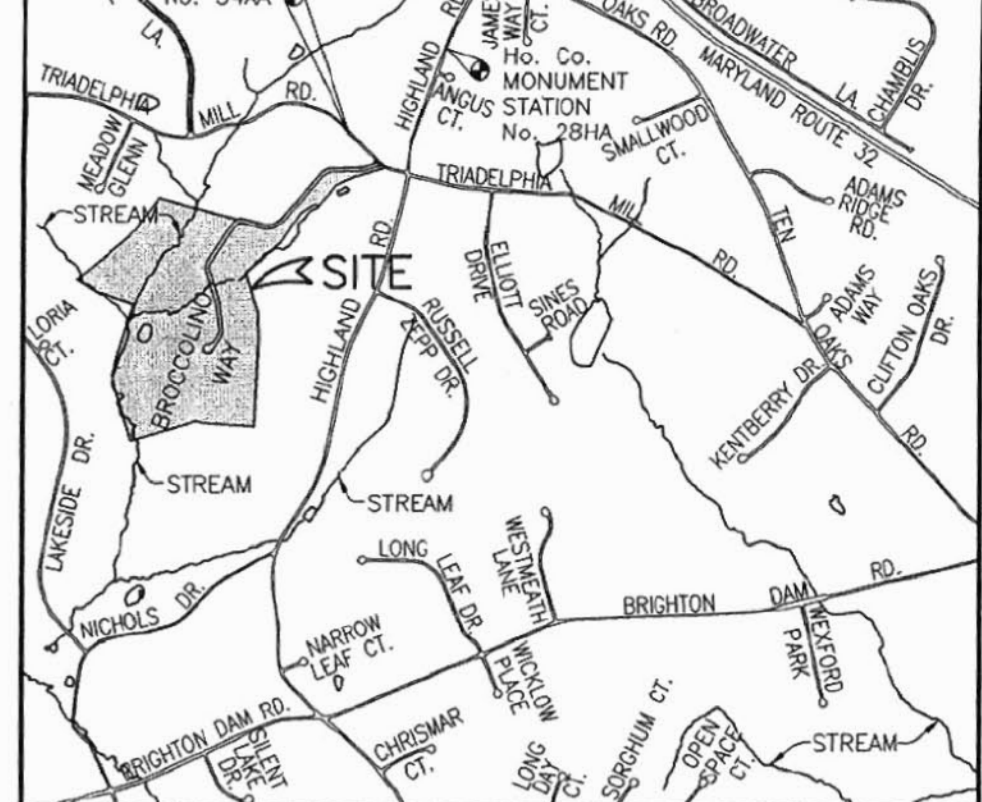
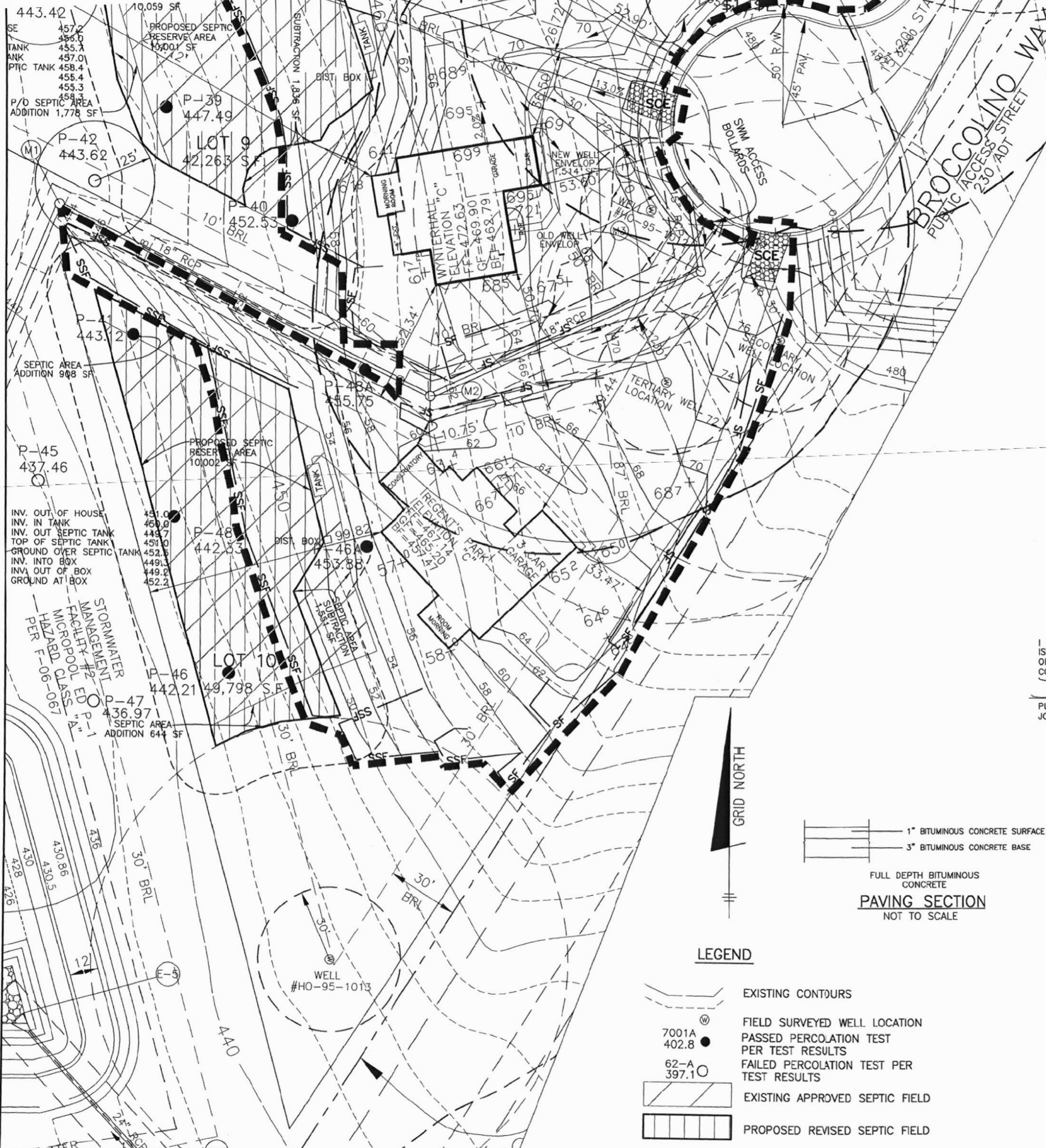
3 1/2

13

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
6/19/02	P-47	4 / 10 1/2	9:56:30	9:58:30	9:58:30	9:02:15	3:15	F
			FAILS		MOTTLED @ 9"			
6/18/02	P-48	4 1/2 / 12 1/2	2:22:15	2:24:30	2:24:30	2:29:30	5	OK
6/19/02	46A	4 1/2 / 13 v	9:39:15	9:40:00	9:40:00	9:43:00	3	OK
6/19/02	46A	4 v / 13 v	Visual test similar to 46A & 48				2:7	OK

REMARKS \_\_\_\_\_  
 TYPE OF SOIL Clay  
 TESTED BY J. Boris ALSO PRESENT \_\_\_\_\_  
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME \_\_\_\_\_ TRENCH WIDTH \_\_\_\_\_  
 INLET DEPTH \_\_\_\_\_ MAXIMUM BOTTOM DEPTH \_\_\_\_\_ SQ. FT./BEDROOM \_\_\_\_\_



VICINITY MAP  
SCALE: 1" = 2000'

**NOTES:**

1. THE LOT SHOWN HEREON WAS RECORDED ON THE PLAT FOR BRIGHTON MILL, PLAT No. 19464. REFER TO THE PLAT FOR LOT DIMENSIONS, LOT AREAS AND ALL EASEMENTS.
2. THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF AT LEAST 10,000 SQ. FT. 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 EASEMENT PLAT SHALL NOT BE NECESSARY.
3. SEDIMENT AND EROSION CONTROLS WERE APPROVED BY HOWARD SOIL CONSERVATION DISTRICT AND ARE MODIFIED FOR THIS SPECIFIC HOUSE.
4. TOPOGRAPHY SHOWN HEREON IS TAKEN FROM THE APPROVED ROAD CONSTRUCTION PLANS.
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-95-1013, HAS BEEN FIELD LOCATED BY BENCHMARK ENGINEERING, INC. AND IS ACCURATELY SHOWN.

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*  
PLAN PREPARER  
JOHN M. CARNEY FOR BENCHMARK ENGINEERING, INC.

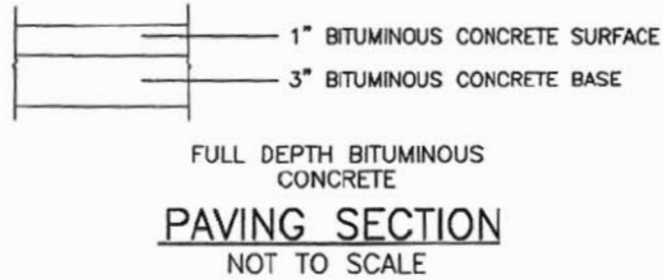
APPROVED:  
FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS  
HOWARD COUNTY HEALTH DEPARTMENT  
*B. Nufan for Peter Brilerson* 1/21/09  
COUNTY HEALTH OFFICER HK DATE

NO.	DATE	REVISION

**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  
EMAIL: [benchmrk@cais.com](mailto:benchmrk@cais.com)

OWNER/BUILDER:	NVHOMES MARYLAND EAST DIVISION 6085 MARSHALEE DRIVE SUITE 130 ELKRIDGE, MARYLAND 21075 PHONE: 410-379-5956 FAX: 410-379-5956	PROJECT:	<b>BRIGHTON MILL LOT 10</b>
LOCATION:	13590 BROCCOLINO WAY CLARKSVILLE, MD 21029 TAX MAP No. 34 - BLOCK No. 9999 - PARCEL No. 02 5th ELECTION DISTRICT, HOWARD COUNTY, MARYLAND	TITLE:	REVISED PERCOLATION CERTIFICATION PLAN AND PERMIT PLAN
HOUSE TYPE:	REGENT'S PARK ELEVATION "C"	DATE:	DECEMBER, 2008 JANUARY, 2009
DESIGN:	JMC	DRAFT:	JMC
SCALE:	1" = 30'	PROJECT NO.	2061
		DRAWING	1 OF 1



**LEGEND**

- EXISTING CONTOURS
- 7001A 402.8 ● FIELD SURVEYED WELL LOCATION PASSED PERCOLATION TEST PER TEST RESULTS
- 62-A 397.1 ○ FAILED PERCOLATION TEST PER TEST RESULTS
- EXISTING APPROVED SEPTIC FIELD
- PROPOSED REVISED SEPTIC FIELD

PERMIT PLAN 9/4/02

EXIST. WELL HOUSE TO BE ABANDONED

GnB2

G1C3

EXISTING BUILDINGS TO BE REMOVED

SLOPES 25% OR GREATER

MPO

M1B2

LOT 19 46,655 S.F.

PRESERVATION PARCEL

WIDE GAS LINE EASEMENT

GnB2

G1C2

G1C2

G1C3

LOT 18 46,174 S.F.

EX. GAS LINE  
EX. FIBER OPTIC LINE  
EX. GAS LINE  
EX. GAS LINE

G1B2

G1C2

ChB2

G1C3

ChB2

P-44 437.61

P-45 437.46

P-47 436.97

32

G1B2

G1C2

ChB2

G1D3

GnB2

PRESERVATION PARCEL 'B'

475

GAS LINE EASEMENT 450

450

G1C3

P-70 471.06

P-69 471.14

LOT 15 44,135 S.F.

G1C3

IE

