

# APPLICATION

PERCOLATION TESTING

A 512673

P \_\_\_\_\_

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

DISTRICT \_\_\_\_\_

DATE 8/20/99

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 Harwood W. Owings and Alma Gaye Owings

ADDRESS 13009 Highland Road, Highland, Md PHONE (301) 854-0229

AGENT OR PROSPECTIVE BUYER Same

ADDRESS \_\_\_\_\_ PHONE \_\_\_\_\_

PROPERTY LOCATION:

SUBDIVISION Harwood W. Owings Property LOT NO. 12

ROAD AND DESCRIPTION 2000' North Of The Intersection Of Highland Road And Clarksville Pike (MD Route 108)

TAX MAP 40 PARCEL # 94

SIZE OF LOT 1Ac + and Preservation Parcel TYPE BLDG. Single Family  
(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. Harwood W. Owings  
(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' 43  
 1' topsoil  
 red brn cl lm  
 3.5' +  
 pale red brn salm  
 7'  
 60-70% sapr sh  
 9'

0' 58  
 1' topsoil  
 red brn cl lm  
 3.5'  
 3.5' pale org tan salm  
 8'  
 60% sapr sh  
 10.5'

0' 70  
 1' topsoil  
 red brn cl lm  
 4'  
 pale org tan salm  
 10%+ sapr sh  
 11.5'

	F 71	F 57	F 44	}
	70	F 58	F 43	
	69			

(Property line)

ex house 13.5'

SOIL PROFILE

0' 69  
 1' topsoil  
 red org brn cl lm  
 4' 4.5'  
 pale org beige salm  
 20%+ frag  
 13.5'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE  
 Highland Road

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
10-5-99	43	9.0'D	Refusal - see profile				FAIL
	58	3.5'S	11:25	11:26	11:26	11:27	1
		10.5'D	visual - see profile				FAIL
	70	3.5'S	11:32	little slow			OK rebut
		11.5'D	visual - see profile				OK
	44	7.5'D	Refusal (60% R <sub>v</sub> @ 4.0')				FAIL
	57	8.5'D	Refusal (60% R <sub>v</sub> @ 5.0')				FAIL
	71	9.0'D	Refusal (60% R <sub>v</sub> @ 7.0' org)				FAIL
4-19-00	69	13.5'D	visual - see profile				OK

REMARKS: holes tested as staked

TYPE OF SOIL \_\_\_\_\_

TESTED BY: D. Soe ALSO PRESENT: C. Zepp

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME \_\_\_\_\_ TRENCH WIDTH \_\_\_\_\_

INLET DEPTH \_\_\_\_\_ MAXIMUM BOTTOM DEPTH \_\_\_\_\_ SQ. FT./BEDROOM \_\_\_\_\_

# OWINGS PROP - WET SEASON 2000

COUNTY # \_\_\_\_\_

SOIL PROFILE

211

topsoil  
or  
red brn  
cl Lm

med  
org brn  
sa Lm  
w/hard  
R<sub>x</sub>

60%+  
hard  
R<sub>x</sub>  
refusal

213

topsoil  
dk  
red brn  
cl Lm

med  
org brn  
sa Lm

10-15%  
saprs  
sh

Water

215

topsoil  
org brn  
cl Lm

med  
org brn  
sa Lm  
w/mica

15%+  
saprs  
sh

SOIL PROFILE

216

0'  
1'  
topsoil  
dull  
org brn  
cl Lm

5'  
5.5'  
med  
org brn  
sa Lm

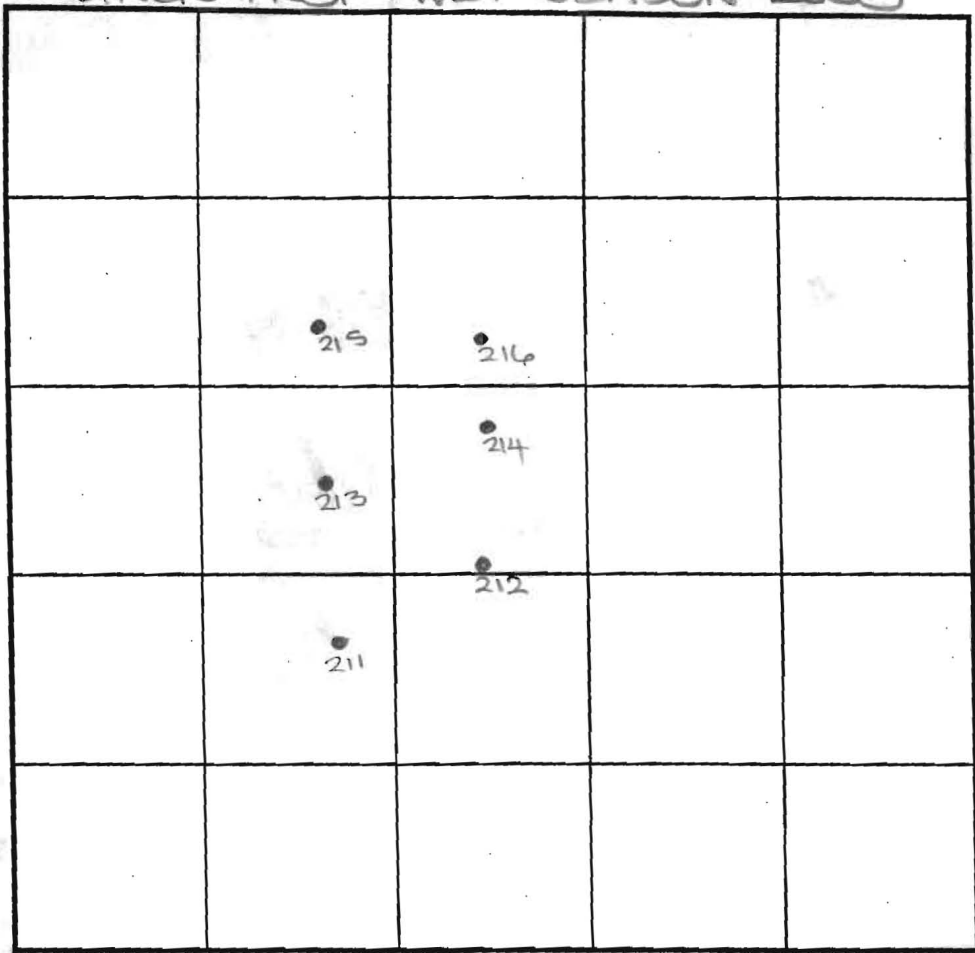
10-15%  
saprs  
sh

13.0'

214  
1'  
topsoil  
org red  
brn  
cl Lm

med  
org brn  
sa Lm

20%  
saprs  
sh



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

Highland Road

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
5-12-00	211	3.5' S	11:05 <sub>2</sub>	less than 1" @	11:45		FAIL
		12.0' D	Refusal	- see profile			FAIL
	213	5.0' S	11:18 <sub>3</sub>	11:21 <sub>3</sub>	11:21 <sub>3</sub>	11:26	5
		13.0' D	Water	- see profile			OK
	215	13.5' D	Visual	- see profile			OK
	216	3.5' S	11:33	less than 1" @	12:03		FAIL
		5.0' m	11:50	<too slow>	1:22		FAIL
		13'10" D	Visual	- see profile			OK
	214	13.5' D	Visual	- see profile			OK

OK below tests

REMARKS holes tested as stated

TYPE OF SOIL \_\_\_\_\_

TESTED BY DLS ALSO PRESENT C. Zepp

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME \_\_\_\_\_ TRENCH WIDTH \_\_\_\_\_

INLET DEPTH \_\_\_\_\_ MAXIMUM BOTTOM DEPTH \_\_\_\_\_ SQ. FT./BEDROOM \_\_\_\_\_

COUNTY #

SOIL PROFILE

212

topsoil

org brn  
cl lm

med to  
pale  
org brn  
sa lm

15%-20%  
sapr  
sh

SOIL PROFILE


INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
5-12-00	212	4.0'S	1:26	1:29	1:29	1:33 <sub>3</sub>	5'
		14.5 D	visual	-see	profile		OC

REMARKS hole tested as staked

TYPE OF SOIL \_\_\_\_\_

TESTED BY DKS ALSO PRESENT C. Zepp

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME \_\_\_\_\_ TRENCH WIDTH \_\_\_\_\_

INLET DEPTH \_\_\_\_\_ MAXIMUM BOTTOM DEPTH \_\_\_\_\_ SQ. FT./BEDROOM \_\_\_\_\_

# OWINGS PROP - WET SEASON 2000

COUNTY # \_\_\_\_\_

SOIL PROFILE  
211

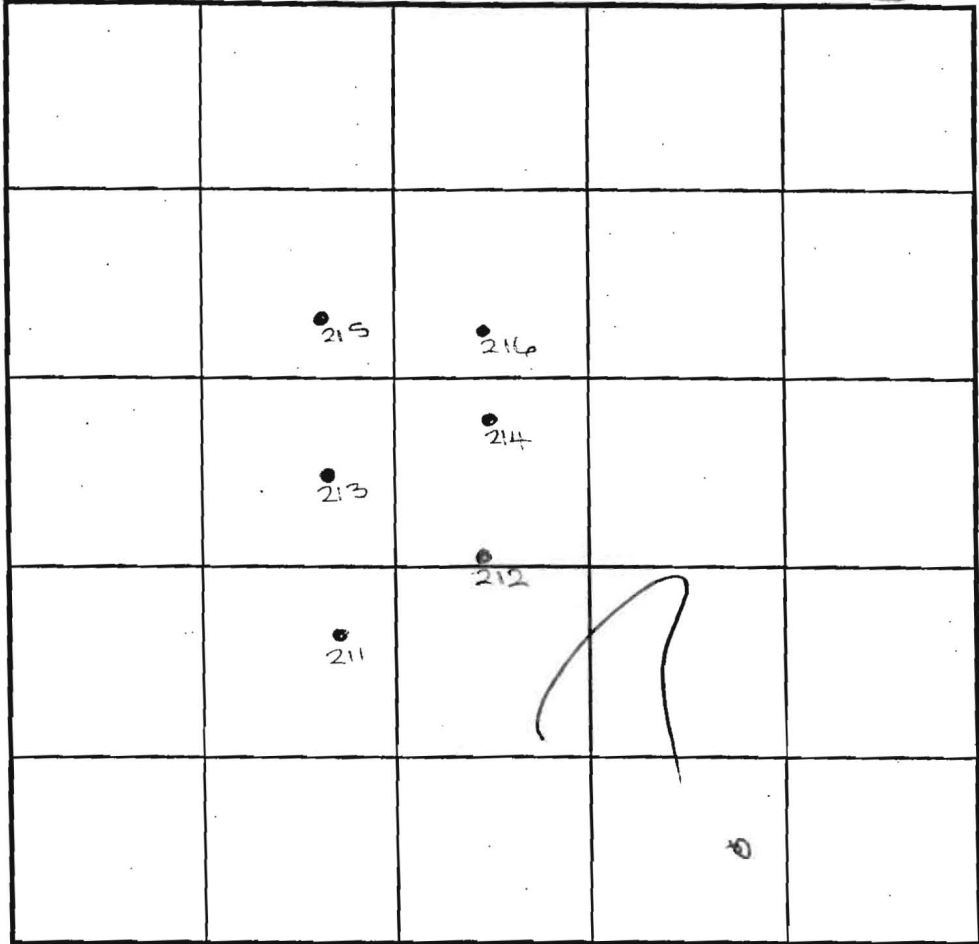
topsoil  
br red brn cl Lm  
med org brn sa Lm w/hard R<sub>x</sub>  
60%+ hard R<sub>x</sub>  
Refusal

213

topsoil  
dk red brn cl Lm  
med org brn sa Lm  
10-15% sapr sh  
Water

215

topsoil  
org brn cl Lm  
med org brn sa Lm w/hard R<sub>x</sub>  
15%+ sapr sh



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.  
Highland Road

SOIL PROFILE  
216

0'  
1'  
5'  
6.5'  
13'0"  
13'5'

topsoil  
dk org brn cl Lm  
med org brn sa Lm  
10-15% sapr sh  
214  
topsoil  
org red brn cl Lm  
med org brn sa Lm  
20% sapr sh

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
5-12-00	211	3.5' S	11:05 <sub>2</sub>	less than 1" @	11:45	FAIL	
		12.0' D	Refusal	- see profile		FAIL	
	213	5.0' S	11:18 <sub>3</sub>	11:21 <sub>3</sub>	11:21 <sub>3</sub>	11:26	5
		13.0' D	Water	- see profile			OK
	215	13.5' D	Visual	- see profile			OK
	216	3.5' S	11:33	less than 1" @	12:03	FAIL	
		5.0' m	11:50	<too slow>	1:22	FAIL	
		13'10" D	Visual	- see profile			OK
	214	13.5' D	Visual	- see profile			OK

OK (below) tests

REMARKS holes tested as staked

TYPE OF SOIL \_\_\_\_\_

TESTED BY DLS ALSO PRESENT C. Zepp

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME \_\_\_\_\_ TRENCH WIDTH \_\_\_\_\_

INLET DEPTH \_\_\_\_\_ MAXIMUM BOTTOM DEPTH \_\_\_\_\_ SQ. FT./BEDROOM \_\_\_\_\_

COORDINATE TABLE - MD NAD 83 FEET

Point	Northing	Easting
1001	552620.3631	1321957.9031
1009	552689.8009	1322238.6219
1010	552704.0526	1322221.8126
1011	552690.8392	1322203.4458
8001	551282.3407	1321044.6281
8002	550824.3656	1321702.8637
5003	551084.0307	1321793.5642
5004	551848.6774	1322140.0509
5005	551987.8733	1322103.9943
5006	552444.8385	1322182.3946
5007	552474.4180	1322203.4458
5008	552446.9521	1322234.1784
5036	551958.2638	1322276.4746

GENERAL NOTES (CONTD)

- 17) DRIVEWAYS SHALL BE PROVIDED PRIOR TO RESIDENT OCCUPANCY TO INSURE SAFE ACCESS FOR FIRE AND EMERGENCY SERVICES PER THE FOLLOWING MINIMUM REQUIREMENTS:
- WIDTH - 12 FEET (14 FEET IF SERVING MORE THAN ONE RESIDENCE);
  - SURFACE - 8 INCHES OF COMPACTED CRUSHER RUN BASE WITH TAR AND CHIP COATING (1 1/2-INCH MINIMUM THICKNESS);
  - GEOMETRY - MAXIMUM 15% GRADE, MAXIMUM 10% GRADE CHANGE AND 45° TURNING RADII;
- STRUCTURES (CULVERTS/BRIDGES) - CAPABLE OF SUPPORTING 25 GROSS TONS (125-LBS/LOADING);
  - DRAINAGE ELEMENTS - CAPABLE OF SAFELY PASSING 100-YEAR FLOOD WITH NO MORE THAN 1 FOOT OF DEPTH OVER SURFACE;
  - STRUCTURE CLEARANCES - MINIMUM 12 FEET; AND
  - MAINTENANCE - SUFFICIENT TO ENSURE ALL WEATHER USE.
- 18) ALL LOT/PARCEL AREAS ARE ROUNDED OFF TO OBTAIN A MORE OR LESS MEASUREMENT.
- 19) FOR FLAG OR PIPE STEM LOTS, REFUSE COLLECTION, SNOW REMOVAL AND ROAD MAINTENANCE ARE PROVIDED TO THE JUNCTION OF THE FLAG OR PIPE STEM AND THE ROAD RIGHT-OF-WAY LINE ONLY, AND NOT ONTO THE FLAG OR PIPE STEM LOT DRIVEWAY.
- 20) NON-BUILDABLE PRESERVATION PARCEL D IS TO BE OWNED BY THE HOA. THE STORMWATER MANAGEMENT FACILITY ON THIS PARCEL IS PRIVATE.
- 21) PRESERVATION PARCEL E IS TO BE OWNED BY THE HOA. IT IS SUBJECT TO TWO (2) PUBLIC FOREST CONSERVATION EASEMENTS. IT IS ALSO SUBJECT TO A PUBLIC SHARED COMMUNITY SEPTIC DISPOSAL FACILITY. THE SEPTIC FACILITY WILL BE MAINTAINED BY HOWARD COUNTY, AND ALL AREAS OUTSIDE OF THE FOREST CONSERVATION EASEMENT ARE SUBJECT TO A PUBLIC UTILITY EASEMENT AND A PUBLIC ACCESS EASEMENT FOR SERVICE TO THE SHARED COMMUNITY SEPTIC DISPOSAL FACILITY.
- 22) DEVELOPER RESERVES UNTO ITSELF, ITS SUCCESSORS AND ASSIGNS, ALL EASEMENTS SHOWN ON THIS PLAN FOR WATER, SEWER, STORM DRAINAGE, OTHER PUBLIC UTILITIES, AND FOREST CONSERVATION ("DESIGNATED FOREST CONSERVATION AREA"), LOCATED IN, OVER, AND THROUGH LOTS 8 THROUGH 16 AND PARCELS A THROUGH E, OR PORTIONS THEREOF, AND SHOWN ON THIS PLAN. ANY AND ALL CONVEYANCES OF FORESAID LOTS SHALL BE SUBJECT TO THE EASEMENTS HEREIN RESERVED, WHETHER OR NOT EXPRESSLY STATED IN THE DEED(S) CONVEYING SAID LOTS). DEVELOPER SHALL EXECUTE AND DELIVER A DEED(S) FOR THE EASEMENTS HEREIN RESERVED TO HOWARD COUNTY, WITH A METES AND BOUNDS DESCRIPTION OF THE FOREST CONSERVATION AREA. UPON COMPLETION OF THE PUBLIC UTILITIES AND THEIR ACCEPTANCE BY HOWARD COUNTY, AND, IN THE CASE OF A FOREST CONSERVATION EASEMENT(S), UPON COMPLETION OF DEVELOPER'S OBLIGATION UNDER THE FOREST CONSERVATION INSTALLATION AND MAINTENANCE AGREEMENT EXECUTED BY THE DEVELOPER AND THE COUNTY, AND THE RELEASE OF THE DEVELOPER'S SURETY POSTED WITH SAID AGREEMENT, THE COUNTY SHALL ACCEPT THE EASEMENTS AND RECORD THE DEED(S) OF EASEMENT IN THE LAND RECORDS OF HOWARD COUNTY.

THE REQUIREMENTS OF SECTION 3-108, THE REAL PROPERTY ARTICLE, ANNOTATED CODE OF MARYLAND, 1988 REPLACEMENT VOLUME, (AS SUPPLEMENTED) AS FAR AS THEY RELATE TO THE MAKING OF THIS PLAN AND SETTING OF MARKERS HAVE BEEN COMPLIED WITH.

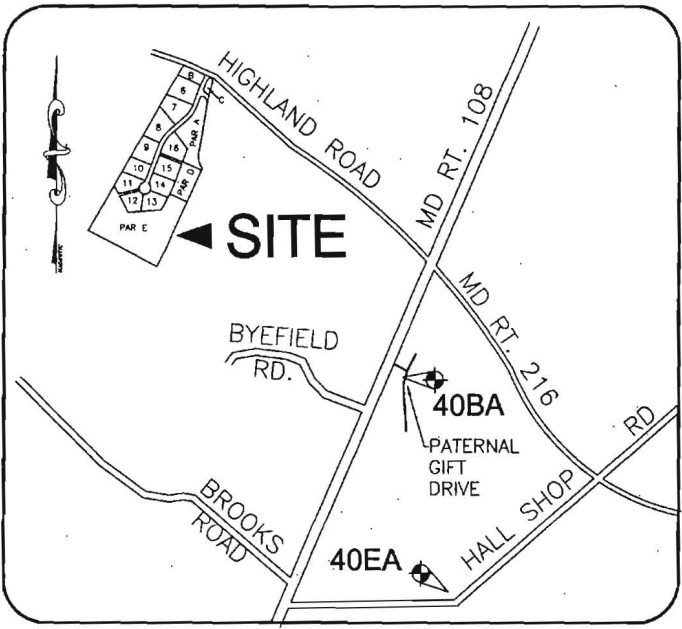
*Dale H. Thompson* 5/11/06  
DATE

*Dale H. Thompson* 5/11/06  
DATE

ERIC V. DAY  
PROF. LAND SURVEYOR NO. 10771

GENERAL NOTES (CONTD)

- 23) THERE IS AN EXISTING DWELLING/STRUCTURE(S) LOCATED ON PRESERVATION PARCEL A WHICH WILL REMAIN. NO NEW BUILDINGS, EXTENSIONS OR ADDITIONS TO THE EXISTING DWELLING(S) ARE TO BE CONSTRUCTED AT A DISTANCE LESS THAN THE ZONING REGULATIONS REQUIRE.
- 24) LANDSCAPING FOR THE LOTS AND PARCELS HEREIN IS PROVIDED IN ACCORDANCE WITH A CERTIFIED LANDSCAPE PLAN INCLUDED WITH THE ROAD CONSTRUCTION PLAN SET IN ACCORDANCE WITH SECTION 18.124 OF THE HOWARD COUNTY CODE AND LANDSCAPE MANUAL.
- 25) THIS PLAN IS THE RECEIPT SUBDIVISION FOR 7 (SEVEN) DEVELOPMENT RIGHTS (BASED ON THE DEED PROVISION DESCRIBED IN SECTION 106 OF THE ZONING ORDINANCE).
- 26) (1) RIGHTS WERE OBTAINED FROM THAT 20.042-ACRE PARCEL OF LAND CONTAINED ON A "PLAT OF EASEMENT" ENTITLED "DORSEY PROPERTY, LIBER 7227 FOLIO 586", RECORDED AT PLAT 16677 AND FURTHER SHOWN ON A RECEIVING PLAT OF THE SUBJECT PROPERTY RECORDED AS PLAT 18670. TWO (2) RIGHTS WERE OBTAINED FROM JEFFREY HARRISON & EDWARD HARRISON AS PER PLAT ENTITLED "MOLTIZER PROPERTY" RECORDED AT PLAT 16170 & 16171, AND FURTHER SHOWN ON A RECEIVING PLAT OF THE SUBJECT PROPERTY RECORDED AS PLAT 16172.
- 26) THE EASEMENT HOLDERS FOR PRESERVATION PARCELS A, B AND C ARE (1) HOWARD COUNTY, MARYLAND, AND (2) OWINGS PROPERTY HOMEOWNERS ASSOCIATION, INC. THE SOLE EASEMENT HOLDER FOR PRESERVATION PARCELS D & E IS HOWARD COUNTY. A DEED OF PRESERVATION EASEMENT WILL BE RECORDED, CONCURRENTLY WITH THIS PLAN, FOR EACH PRESERVATION PARCEL, WHICH DEED WILL ESTABLISH THE USES AND RESTRICTIONS GOVERNING EACH SUCH PARCEL.
- 27) THE TOTAL AREA DEDICATED TO HOWARD CO. FOR THE PURPOSE OF A PUBLIC ROAD IS 1.4111 ACRES +/-
- 28) THE SHARED SEPTIC SYSTEM IS DESIGNED TO SERVICE A MAXIMUM OF THIRTY-THREE (33) BEDROOMS. THE DEVELOPER SHALL BEAR ALL RESPONSIBILITY FOR LIMITING THE SIZE OF THE DWELLING UNITS, WHICH SHARE THE SEPTIC FACILITY, TO A COMBINED TOTAL OF THIRTY-THREE (33) BEDROOMS OR LESS.



VICINITY MAP  
SCALE: 1" = 800'

WETLANDS CERTIFICATION  
THERE ARE NO WETLANDS OR 100-YEAR FLOODPLAIN ON THE SUBJECT PROPERTY.

*Donald M. Miljan* 5/11/06  
DATE

RONALD MILJAN  
CIVIL ENGINEER  
MD. REG. NO. 19872



GENERAL NOTES:

- 1) THE SUBJECT PROPERTY IS ZONED RR-DO, PER OCTOBER 18, 1983 COMPREHENSIVE ZONING PLAN.
- 16) THIS PLAN IS SUBJECT TO THE FOURTH EDITION OF THE SUBDIVISION AND LAND DEVELOPMENT REGULATIONS AND THE ZONING REGULATIONS AS AMENDED BY CS 50-2001; DEVELOPMENT OR CONSTRUCTION ON THESE LOTS/PARCELS MUST COMPLY WITH SETBACK AND BUFFER REGULATIONS IN EFFECT AT THE TIME OF SUBMISSION OF THE SITE DEVELOPMENT PLAN, WAIVER PETITION APPLICATION, OR BUILDING/GRADING PERMIT.
- 2) THE COORDINATE DATUM FOR THIS SUBDIVISION IS BASED ON THE 1983 ADJUSTMENT OF THE NORTH AMERICAN DATUM FOR THE MARYLAND STATE GRID SYSTEM, AS PROJECTED BY HARRIS & ASSOCIATES L.L.C. FROM HOWARD COUNTY GEODETIC CONTROL STATION NOS. 40EA AND 40BA, LOCATED APPROXIMATELY HEREON BY THE SYMBOL. ALL THE COORDINATE VALUES AND GRID TICK VALUES SHOWN, MAY BE CONVERTED TO METERS BY DIVIDING EACH VALUE BY 3.28083990. THE PUBLISHED VALUES OF THE INDICATED GEODETIC CONTROL MONUMENTS ARE AS FOLLOWS:
- 40EA (FEET) M 547,911.373 ELEV: 203.948  
(METERS) M 167,003.7205 E 403,711.4733 ELEV: 153.8038
- 40BA (FEET) M 549,099.102 E 1,324,025.124 ELEV: 534.654  
(METERS) M 167,817.5086 E 403,563.6682 ELEV: 162.9929
- 3) ● DENOTES IRON PIPE FOUND.
- 4) ○ DENOTES IRON PIPE W/CAP SET.
- 5) ● DENOTES FOREST CONSERVATION EASEMENT PER REQUIREMENTS OF SECTION 18.1200 OF THE HOWARD COUNTY CODE. FOREST CONSERVATION AND NO CLEARING, GRADING OR CONSTRUCTION IS PERMITTED WITHIN THE FOREST CONSERVATION EASEMENT; HOWEVER, FOREST MANAGEMENT PRACTICES AS DEFINED IN THE DEED OF CONSERVATION EASEMENTS ARE ALLOWED.
- 5a) FOREST CONSERVATION WILL BE PROVIDED BY ONSITE REFORESTATION AND AFFORESTATION OF 1.26 AC. AREA OF FOREST TO BE RETAINED IS 3.64 ACRES.
- 5b) THE ON-SITE FOREST CONSERVATION SURETY IS \$50,154.48 (FOREST RETENTION 3.64 AC X \$20,317.11/08) (FOREST AFFORESTATION 1.26 AC X \$50-\$27,442.80)
- 5c) THE ON-SITE PERIMETER AND STORMWATER MANAGEMENT LANDSCAPING SURETY AMOUNT IS \$23,850 (84 SHADE TREES X \$300+\$19,200) & (31 EVERGREEN TREES X \$150+\$4,650). STREET TREES ARE NOT INCLUDED IN THE LANDSCAPE SURETY BOND.
- 6) THERE ARE NO FLOODPLANS, WETLANDS, STREAMS OR ASSOCIATED BUFFERS ON THIS PROPERTY. SECTION 18.115.(4) DOES NOT APPLY TO THE PRESERVATION PARCELS HEREON.
- 7) THERE ARE NO BURIAL/CEMETERY GROUNDS ON THIS PROPERTY.
- 8) THERE ARE NO HISTORIC/CULTURAL FEATURES ON THIS SITE.
- 9) THERE ARE NO FLOODPLANS OR WETLANDS ON THIS SITE.



- 10) ● DESIGNATES A PRIVATE SEWERAGE EASEMENT OF AT LEAST 10,000 SQUARE FEET (OR 10,000 SQ.FT. PER LOT FOR SHARED DRAIN FIELDS ASSOCIATED WITH A SHARED SEWERAGE DISPOSAL FACILITY AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWERAGE DISPOSAL. (COMAR 26.04.03). 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 VARIANCES FOR DISCHARGES INTO THE PRIVATE SEWERAGE EASEMENT. RECONSTRUCTION OF A MODIFIED SEWERAGE EASEMENT SHALL NOT BE NECESSARY.
- 11) "BR" DENOTES MINIMUM BUILDING RESTRICTION LINE.
- 12) THIS PLAN IS BASED ON A FIELD RUN BOUNDARY SURVEY BY DEWBERRY & DAVIS L.L.C.
- 13) ALL AREAS SHOWN ON THIS PLAN ARE MORE OR LESS (ROUNDED TO THE NEAREST SQUARE FOOT).
- 14) DENSITY CALCULATIONS:  
UNITS BY RIGHT (24,5002/4.25)=5  
PER DEED/DEED OPTION (24,316 AC /2)=12 (TOTAL AREA REDUCED DUE TO STEEP SLOPES (7911 SF.))  
REQUIRED NUMBER OF DEEDS (12-5)=7
- 15) NON-BUILDABLE PRESERVATION PARCELS B AND C WILL BE PRIVATELY OWNED AND MAINTAINED. NON-BUILDABLE PRESERVATION PARCELS D AND E WILL BE OWNED AND MAINTAINED BY THE HOMEOWNERS ASSOCIATION. THE PURPOSE OF BUILDABLE PRESERVATION PARCEL A IS RESIDENTIAL/AGRICULTURAL USE; THE PURPOSE OF NON-BUILDABLE PRESERVATION PARCELS B & C IS TO PROVIDE A BUFFER AND TO CONTAIN THE DEVELOPER'S ENTRANCE FEATURES; THE PURPOSE OF NON-BUILDABLE PARCEL D IS STORMWATER MANAGEMENT; AND THE PURPOSE OF NON-BUILDABLE PARCEL E IS FOREST CONSERVATION AND SHARED COMMUNITY SEPTIC SYSTEM.
- 16) PLANNING & ZONING FILE NUMBERS ASSOCIATED WITH THIS PLAN ARE: F-82-32, F-84-58, VP-82-43, VP-84-21; SKETCH PLAN FILE NO. S-01-16, & PRELIMINARY PLAN FILE NO. P-02-16.

*Howard Davis* 5-31-06  
DATE

**Dewberry & Davis LLC**  
203 Perry Parkway, Suite 1  
Gaithersburg, MD 20877  
(301) 948-8300 Fax: (301) 258-7607  
www.dewberry.com

AREA TABULATION CHART

1) TOTAL NUMBER OF BUILDABLE LOTS TO BE RECORDED:	11
TOTAL AREA OF BUILDABLE LOTS TO BE RECORDED:	10.4289 ACRES +/-
2) TOTAL NUMBER OF BUILDABLE PRESERVATION PARCELS TO BE RECORDED:	1
TOTAL AREA OF BUILDABLE PRESERVATION PARCELS TO BE RECORDED:	2.3092 ACRES +/-
3) TOTAL NUMBER OF NON-BUILDABLE PRESERVATION PARCELS TO BE RECORDED:	4
TOTAL AREA OF NON-BUILDABLE PRESERVATION PARCELS TO BE RECORDED:	10.3510 ACRES +/-
4) TOTAL AREA DEDICATED TO HOWARD CO. FOR THE PURPOSE OF A PUBLIC ROAD:	1.4111 ACRES +/-
5) TOTAL AREA OF SUBDIVISION TO BE RECORDED:	24.5002 ACRES +/-

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS

*Robert A. Weber* 5/32/06  
DATE

HOWARD COUNTY HEALTH OFFICER

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

*Donald M. Miljan* 5/30/06  
DATE

CHIEF, DEVELOPMENT ENGINEERING DIVISION

*Mark A. Weyler* 5/30/06  
DATE

DIRECTOR

OWNERS CERTIFICATE

We, Harwood W. Owings, Jr. and Alma Goye Owings, owners of Private Buildable Preservation Parcel A and Private Non-Buildable Preservation Parcel C, and Running Brook, LLC, owner of the remaining property shown and described hereon, hereby adopt this plan of subdivision, and in consideration of the approval of this final plat by the Department of Planning and Zoning, establish the minimum building restriction lines and grant unto Howard County, Maryland, its successors and assigns: (1) the right to lay, construct and maintain sewers, drains, water pipes and other municipal utilities and services in and under of road and street rights-of-way and the specific easement areas shown hereon; (2) the right to require dedication for public use, the beds of streets and/or roads and floodplains, storm drainage facilities and open spaces, where applicable, and for good and other valuable consideration, hereby grant the right and option to Howard Co. to acquire the fee simple title to the beds of the streets and/or floodplains, storm drainage facilities and open spaces where applicable; (3) the right to require dedication of waterways and drainage easements for the specific purpose of their construction, repair and maintenance; and (4) that no building or similar structure of any kind shall be erected on or over said easements and rights-of-way.

Witness our hands and seals this day of May 2006.

*Harwood W. Owings, Jr.* 5/11/06  
DATE

*Alma Goye Owings* 5/11/06  
DATE

*Dale H. Thompson* 5/11/06  
DATE

By: Dale H. Thompson, President

SURVEYORS CERTIFICATE

I hereby certify that the final plat shown hereon is correct and that it is a resubdivision of Lot 3, as shown on a plat of subdivision entitled "Harwood W. Owings Property, Lots 3, 4 & 5, Sheets 1 and 2 of 2", recorded among the land records of Howard County, Maryland as Plat Numbers 6689 and 5870; said Lot 3 being part of the lands conveyed by Harwood W. Owings, Jr. and Grace S. Owings, Parties and Representatives, to Harwood W. Owings, Jr. and Alma Goye Owings by deed dated March 28, 1982 and recorded among said land records in Liber 1100, folio 242, also being the land conveyed by Harwood W. Owings, Jr. and Alma Goye Owings to Running Brook, LLC, by deed dated July 30, 2004 and recorded among said land records in Liber 8711, folio 163, and that all monuments are in place or will be in place prior to the acceptance of the streets in the subdivision by Howard County as shown, in accordance with the Annotated Code of Maryland, as amended.

*Eric V. Day* 5/11/06  
DATE

Eric V. Day  
Professional Land Surveyor  
Maryland License No. 10771

THE PURPOSE OF THIS PLAN OF CORRECTION IS TO REVISE NOTE NO. 28 REGARDING THE MAXIMUM SERVICE LIMITS FOR THE SHARED SEPTIC FACILITY.

RECORDED AS PLAT NO. \_\_\_\_\_ ON \_\_\_\_\_  
AMONG THE LAND RECORDS OF HOWARD COUNTY, MARYLAND

PLAT OF CORRECTION  
**HARWOOD W. OWINGS PROPERTY**  
LOTS 6 THRU 16, BUILDABLE PRESERVATION PARCEL A  
NON-BUILDABLE PRESERVATION PARCELS B, C & D  
AND PRESERVATION PARCEL E  
A RESUBDIVISION OF LOT 3  
HARWOOD W. OWINGS PROPERTY, PLAT 5870  
TAX MAP 40, GRID 4, PARCEL 44  
5TH ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND  
SCALE: 1"=100' DATE: MAY 2006  
SHEET 1 OF 2

F-82-32, F-84-58, VP-82-43, VP-84-21, S-01-16, P-02-16



Plat 333 WSA Cm 2125 8488-1 COUNTY FILE # 201 (PLAT)

COORDINATE TABLE - MD NAD 83 FEET

Point	Northing	Easting
1001	552820.3831	1321957.9031
1009	552669.6009	1322238.8219
1010	552704.0528	1322221.8126
1011	552800.8302	1322003.9565
5001	551262.3407	1321044.6281
5002	550924.3656	1321702.9837
5003	551094.0307	1321793.5842
5004	551848.6774	1322140.0509
5005	551987.8733	1322103.9943
5006	552444.8365	1322182.3949
5007	552547.4190	1322203.4455
5008	552649.9521	1322234.1784

NOTE: DIVIDE EACH VALUE BY 3.29083990 TO OBTAIN METERS.

CURVE TABLE

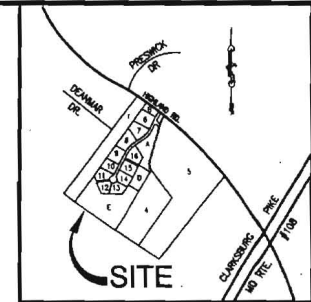
Curve	Radius	Length	Delta	Chord	Chord Bear.
C-1	1512.95'	50.03'	1°53'41"	50.03'	S 66°59'43" E
C-2	175.00'	148.18'	48°30'50"	143.79'	S 14°31'21" E

FOREST CONSERVATION EASEMENT

Course	Bearing	Distance
FCE-1	S 76°48'36" E	49.80'
FCE-2	S 18°46'07" E	96.97'
FCE-3	S 40°36'44" E	71.77'
FCE-4	S 24°39'12" E	222.15'
FCE-5	S 69°34'45" E	115.21'
FCE-6	S 70°31'36" E	93.13'
FCE-7	S 66°54'19" E	37.96'
FCE-8	S 52°56'58" E	58.09'
FCE-9	S 47°24'28" E	40.56'
FCE-10	S 79°54'06" E	23.34'

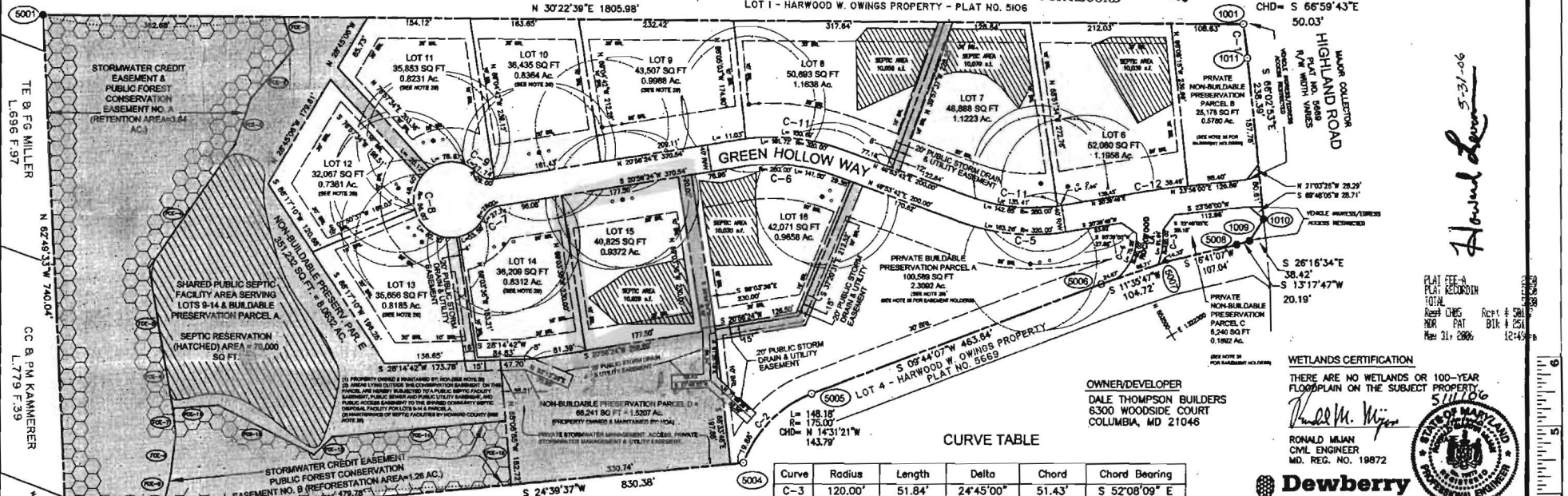
FOREST CONSERVATION EASEMENT

Course	Bearing	Distance
FCE-11	N 26°17'34" E	69.00'
FCE-12	N 56°23'12" E	161.37'
FCE-13	N 13°00'00" W	38.39'
FCE-14	N 24°50'31" E	260.56'
FCE-15	S 65°08'55" E	93.79'



MDR PLAT NO. 18321  
RECEIVED MAY 31 2006  
FOR RECORD

L= 50.03'  
R= 1512.95'  
CHD= S 66°59'43" E  
50.03'



*Harwood Owings*  
5/31/06

WETLANDS CERTIFICATION  
THERE ARE NO WETLANDS OR 100-YEAR FLOODPLAIN ON THE SUBJECT PROPERTY

DALE THOMPSON BUILDERS  
6300 WOODSIDE COURT  
COLUMBIA, MD 21046

RONALD MIAM  
CIVIL ENGINEER  
MD. REG. NO. 19872

**Dewberry**  
Dewberry & Davis LLC

203 Perry Parkway, Suite 1  
Gaithersburg, MD 20877  
(301) 948-8300 Fax: (301) 258-7607  
www.dewberry.com

THE PURPOSE OF THIS PLAT OF CORRECTION IS TO REVISE NOTE NO. 28 REGARDING THE MAXIMUM SERVICE LIMITS FOR THE SHARED SEPTIC FACILITY.

CURVE TABLE

Curve	Radius	Length	Delta	Chord	Chord Bearing
C-3	120.00'	51.84'	2°45'00"	51.43'	S 52°08'09" E
C-4	80.00'	75.25'	5°53'34"	72.50'	N 35°50'50" W
C-5	320.00'	163.26'	29°13'53"	161.50'	S 35°16'46" W
C-6	280.00'	141.50'	28°57'18"	140.00'	S 35°25'03" W
C-7	29.00'	27.74'	54°47'50"	26.69'	S 06°27'31" E
C-8	56.00'	283.05'	289°35'41"	84.56'	N 69°03'36" W
C-9	29.00'	27.74'	54°47'50"	26.69'	N 48°20'20" E
C-10	320.00'	161.72'	28°57'18"	160.00'	N 35°25'03" E
C-11	280.00'	142.85'	29°13'53"	141.31'	N 35°16'46" E
C-12	220.00'	12.55'	3°16'10"	12.55'	S 22°17'55" W

- AREA TABULATION CHART
- TOTAL NUMBER OF BULDBLE LOTS TO BE RECORDED: 11
  - TOTAL AREA OF BULDBLE LOTS TO BE RECORDED: 10.4289 ACRES +/-
  - TOTAL NUMBER OF BULDBLE PRESERVATION PARCELS TO BE RECORDED: 1
  - TOTAL AREA OF BULDBLE PRESERVATION PARCELS TO BE RECORDED: 2.3992 ACRES +/-
  - TOTAL NUMBER OF NON-BULDBLE PRESERVATION PARCELS TO BE RECORDED: 4
  - TOTAL AREA OF NON-BULDBLE PRESERVATION PARCELS TO BE RECORDED: 10.3610 ACRES +/-
  - TOTAL AREA OF ROAD DEDICATION TO BE RECORDED: 1.4111 ACRES +/-
  - TOTAL AREA OF SUBDIVISION TO BE RECORDED: 24.5002 ACRES +/-

THE REQUIREMENTS OF SECTION 3-108, THE REAL PROPERTY ARTICLE, ANNOTATED CODE OF MARYLAND, 2006 REPLACEMENT VOLUME, (AS SUPPLEMENTED) AS FAR AS THEY RELATE TO THE MAKING OF THIS PLAT AND SETTING OF MARKERS HAVE BEEN COMPLIED WITH.

*Harwood W. Owings, Jr. 5/11/06*  
*Alma Ows Owsing 5/12/06*

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS

*Robert J. Widen* 5/22/06  
HOWARD COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

*Mark J. Layle* 5/22/06  
DIRECTOR DATE

OWNERS CERTIFICATE

We, Harwood W. Owings, Jr. and Alma Ows Owsing, owners of Private Buldble Preservation Parcel A, and Private Non-Buldble Preservation Parcel C, and Running Brook, LLC owner of the remaining property shown and described hereon, hereby adopt this plan of subdivision, and in consideration of the approval of this plat by the Department of Planning and Zoning, establish the minimum building setback lines and grant unto Howard County, Maryland, its successors and assigns: (1) the right to lay, construct and maintain sewers, drains, water pipes and other municipal utilities and services and in and under all road and street rights-of-way and the specific easement areas shown hereon; (2) the right to require dedication for public use, the beds of streets and/or roads and floodplains, storm drainage facilities and cover spouts, where applicable, and for gas and other valuable considerations, hereby grant the right and option to Howard Co. to acquire the fee simple title to the beds of the streets and/or floodplains, storm drainage facilities and open spaces where applicable; (3) the right to require dedication of easements and drainage easements for the specific purposes of their construction, repair and maintenance; and (4) that no building or similar structure of any kind shall be erected on or over said easements and rights-of-way.

*Harwood W. Owings, Jr. 5/11/06*  
*Alma Ows Owsing 5/11/06*  
By: Dale H. Thompson, President Date

SURVEYORS CERTIFICATE

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*Eric J. Day* 5/11/06  
Professional Land Surveyor  
Maryland License No. 10771

RECORDED AS PLAT NO. \_\_\_\_\_ ON \_\_\_\_\_  
AMONG THE LAND RECORDS OF HOWARD COUNTY, MARYLAND

PLAT OF CORRECTION  
**HARWOOD W. OWINGS PROPERTY**

LOTS 6 THRU 16, BULDBLE PRESERVATION PARCEL A  
NON-BULDBLE PRESERVATION PARCELS B, C & D  
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HARWOOD W. OWINGS PROPERTY, PLAT 5670  
TAX MAP 40, GRID 4, PARCEL 44  
5TH ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND  
SCALE: 1"= 100' DATE: MAY 2006  
SHEET 2 OF 2  
F-82-32, F-84-58, VP-82-43, VP-84-21, S-01-18, P-02-18

P24334 HSA CU 2704 3487 2

## FILE INQUIRY NOTES

DATE	RESULTS OF REVIEW FOR FILE
2/22/12	Site visit confirmed excessive fill marked 7' or more in some areas. No layout given. Will need to discuss w/ Mike or Jeff (Health Dept) prior to releasing layout. (KW)
2/23/12	Discussion w/ Mike and Jeff in office concerning fill in Sept 2 area. Need builder to submit new plan showing true elevations along w/ true elevations (RF, FF elevations). Perc testing must occur to confirm actual soil delineations of original parcels and SRA. If all goes well w/ perc's, builder will need to propose a solution (i.e., retaining wall, slope grade up to top of SRA) to the 'fill' area next to Sept 2 reserve. (KW)
2/28/12	→ Phone call to Kurt w/ Fugis. Discussed the above concerning perc testing and plan revision. Will probably call builder. (KW)
2/24/12	on-site for perc testing. 3 holes dug to confirm existing perc's w/in SRA (see profiles). Met w/ Builder on site during perc's. Asking about pool and how to approach that. I explained that pool would be limited but need to fix issue at hand w/ Septic first. Jeff Williams arrived on-site shortly thereafter while perc's were being done. (KW)

COMPETENT BUILDERS & DEVELOPERS L.L.C.

12574 Hall Shop Road Fulton MD, 20759

TEL: 443-829-1830, FAX: 301-854-3455.

FINE CUSTOM HOME BUILDERS OF MARYLAND. MHBR. # 2941.

Jeff Williams  
Program Supervisor  
Well & Septic program  
Howard County Health Department

3/2/2012

Re: 6825 Green Hollow way, Highland, MD 20777. Grading and Septic fields.

Jeff,

We would like to inform you that due to prevailing grading conditions we are going to remove all extra dirt from our site as soon as the septic system and grading are complete.

The fill after twenty feet will drop to 42" to 44" for about six feet and then will gradually drop 36" to 24" over the next forty feet. I hope this is acceptable to you.

The delay in installing the septic system is putting us in a lot of stress and we are also losing a lot of money, I hope you agree to the above grading plan and let us complete our project without further delay.

Sincerely,



Hari R Singh  
Competent Builders

1. PILES WILL NOT REMOVE ANY DIRT WITHIN THE SILT FENCE AREA (LOD). DURING CONSTRUCTION OF THE SEPTIC DRAIN FIELDS -
2. THE STOCKPILE WILL BE REMOVED AFTER SEPTIC COMPLETED BUT BEFORE APPROVAL, A PATH WILL BE MADE AND EXCAVATION WILL BE HANDED OUT WITHIN THE LOD ALONG THE NIGHT SIDE AREA. A SILT FENCE WILL BE ERRECTED AROUND THE SEPTIC COMPONENTS DURING REMOVAL.
3. HEALTH DEPT WILL APPROVE GRADING BEFORE APPROVAL OF SITE
4. THE FILL OVER THE D BOX WILL BE MAX TOP 48" SLOPING TOWARDS THE NEAT TRENCH A MAX OF 36" OVER THE TOP. IT WILL ALSO SLOPE DOWN TOWARDS THE 3RD TRENCH TO A MAX OF 24" OVER THE TOP..