

COORDINATE TABLE

POINT	NORTHING	EASTING
1	535465.1865	1355912.2583
3	535433.4795	1355986.8650
4	535425.6515	1356005.5745
5	535335.7786	1356018.2158
7	535331.5382	1355982.1473
8	535251.5895	1355928.5718
10	535179.0577	1355858.9458
11	535093.6528	1355649.6758
12	535017.6926	1355360.9571
15	535151.4439	1354790.6209
17	535737.0856	1356285.5936
18	535725.6519	1355312.2871
19	535676.6861	1355686.1054
20	535528.3144	1355757.9244
21	534806.7572	1354967.8114
22	534859.5577	1355039.0309
23	534924.3527	1354992.1095

CURVE TABLE

CURVE	DELTA ANGLE	RADIUS	ARC	CHORD BEARING	CHORD LENGTH	TANGENT
C1	3°17'58"	1392.00'	80.16'	S 66°41'20" E	80.15'	40.09'
C2	7°27'31"	563.00'	71.99'	S 30°05'30" W	71.94'	36.05'
C3	20°01'55"	289.00'	101.04'	S 43°50'13" W	100.53'	51.04'
C4	23°16'42"	570.00'	231.58'	S 65°29'31" W	229.99'	117.41'
C5	28°35'03"	780.00'	361.91'	S 63°50'21" W	358.67'	184.27'
C6	10°56'47"	4019.72'	767.97'	N 40°12'12" E	766.80'	385.16'

LINE TABLE

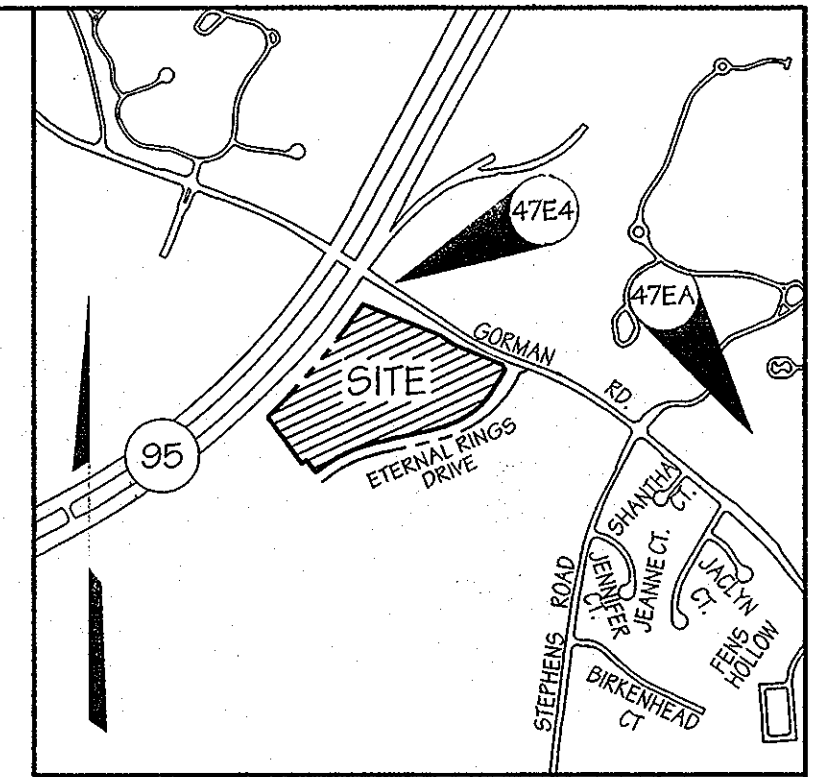
LINE	BEARING	DISTANCE
L1	S 60°24'45" E	30.62'
L2	S 34°51'16" E	39.96'
L3	S 10°12'37" E	21.02'
L4	S 60°23'22" E	42.46'
L5	S 40°31'09" E	25.44'
L6	S 19°18'59" E	30.25'

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 plat and the setting of markers have been complied with.

Michael D. Martin
 Michael D. Martin, Professional Land Surveyor
 Maryland Registration No. 21234
 Date: 8-29-08

Gregory F. Hamm
 Gregory F. Hamm, Vice President
 The Howard Research and Development Corporation
 Date: 8-29-08

Jeffrey C. Palkovitz
 Jeffrey C. Palkovitz
 Assistant Secretary
 Date: 8-29-08

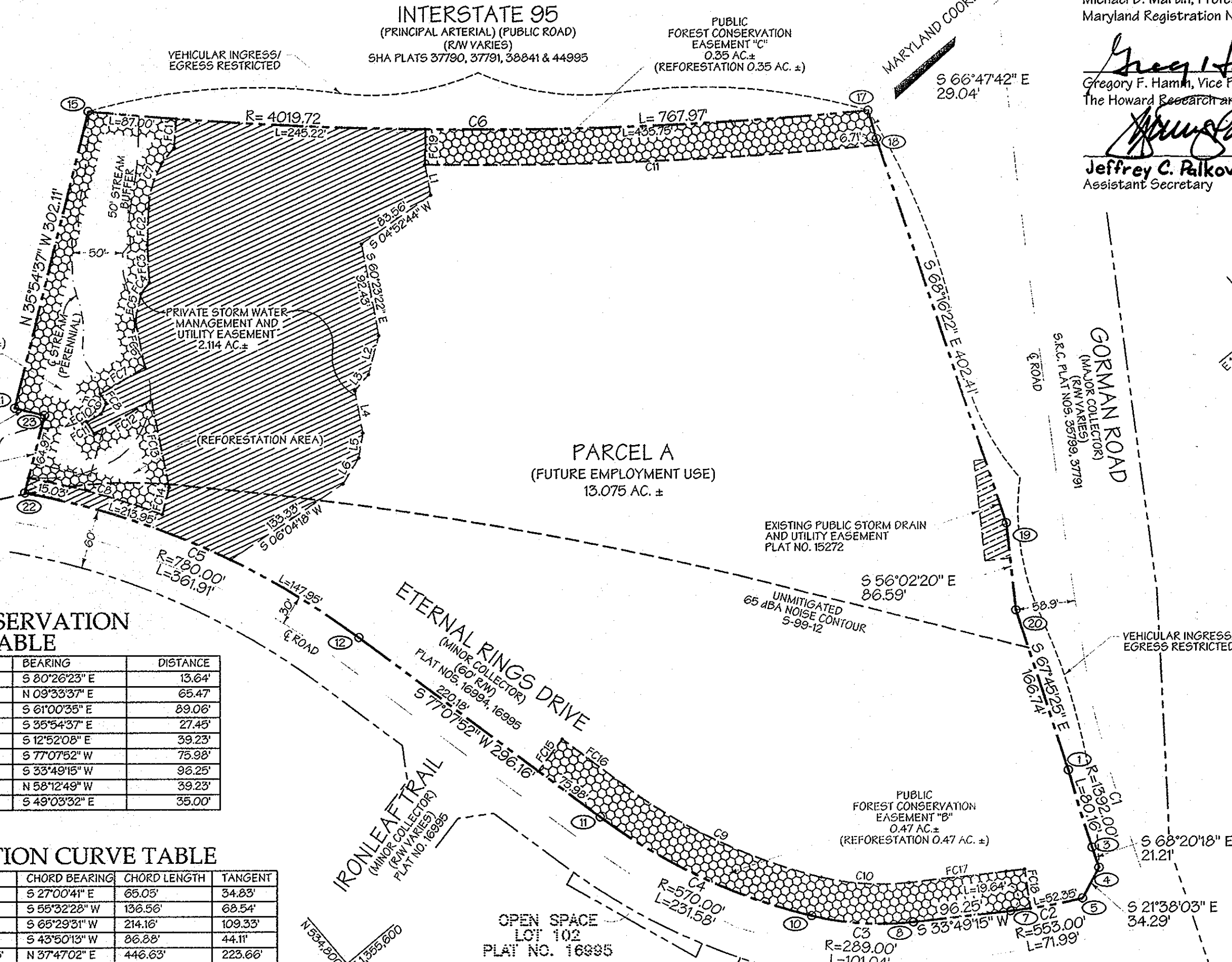


VICINITY MAP
 SCALE: 1" = 1000'

GENERAL NOTES:

- Coordinates are based on Maryland Coordinated System - NAD83 (1991) as projected by Howard County Geodetic Control Stations No. 47EA and 47EA.
- STATION NORTH EAST ELEVATION DESCRIPTION
 47EA 535503.631 1357283.989 315.366 BRASS DISK
 47EA 535546.138 1355431.196 338.909 BRASS DISK
- This Plat is based upon a field run monumented boundary survey performed on or about June 25, 1999 by Daft-McCune-Walker, Inc.
- All areas shown on this plat are more or less.
- The subject property is zoned PEC-MXD-3 per the 2/02/04 Comprehensive Zoning Plan, and the 7/28/06 Comp Lite Zoning Regulation Amendments and per ZB-979M approved on 09/03/99.
- Developer reserves unto itself, its successors and assigns, all easements shown on this plan for storm drainage, other public utilities and forest conservation (designated as "Forest Conservation Easements"), located in, on, over and through lots/parcels, any conveyances of the aforesaid lots/parcels shall be subject to the easements herein reserved, whether or not expressly stated in the deed(s) conveying said lot(s)/parcels. Developer shall execute and deliver deeds for the easements herein reserved to Howard County. Upon completion of the public utilities and their acceptance by Howard County, and in the case of the forest conservation easement(s), upon completion of the developer's obligations 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 Forest Conservation Easement has been established to fulfill the requirements of Section 16.1200 of the Howard County Code and Forest Conservation Act. No clearing, grading or construction is permitted within the Forest Conservation Easement; however, Forest Management Practices as defined in the Deed of Forest Conservation Easement are allowed.
- This phase of the Emerson project complies with Section 16.1200 of the Howard County Code for Forest Conservation by retaining 0.72 acres of existing forest, the clearing of approximately 0.76 acres, and the reforestation of approximately 0.97 acres. When calculated cumulatively with previous phases of this project, a total of 71.90 acres of forest will be cleared, and 56.30 acres will be retained. The reforestation obligation is 15.11 acres, and 21.50 acres of reforestation have been provided. A surety in the amount of \$6,273.00 is required for the forest retention (0.72 acres @ \$0.20 / s.f.), and a surety in the amount of \$21,127.00 is required for reforestation (0.97 acres @ \$0.50 / s.f.). The total Forest Conservation surety amount is \$27,400.00. SURETY POSTED UNDER SDF-08-54.
- Landscaping is provided in accordance with a certified Landscape Plan on file as approved under SDF-08-54, in accordance with Section 16.124 of the Howard County Code and the Landscape Manual.
- Financial surety for the required landscaping is provided under SDF-08-54.
- There are no existing dwellings on this site.
- There are no known covenants on this site.
- The 65 dBA noise contour line drawn on this subdivision plan is advisory as required by the Howard County Design Manual, Chapter 5, revised February, 1992 and cannot be considered to exactly locate the 65 dBA noise exposure. The 65 dBA noise line was established by Howard County to alert developers, builders and future residents that areas beyond this threshold may exceed generally accepted noise levels established by the U.S. Department of Housing and Urban Development.
- Stormwater Management Quality and Quantity is provided by a P-3 Wet Extended Detention Facility (Wetpond). Recharge to be provided at time of development. The Stormwater Management Facility was approved and is being built under SDF-08-54. Maintenance for the facility will be private.
- Water and sewer service to this parcel will be granted under the provisions of Section 18, 122B of the Howard County Code. Public water and sewer allocation will be granted at the time of issuance of the building permit, if capacity is available at that time. Public water and sewer will be provided for this parcel with future site development plans.
- The minimum building setback restrictions from the property lines and the public road right-of-way lines is to be in accordance with the Development Criteria approved under S-99-12 and the Decision and Order for PB-339 PB-359.
- Phasing for this project is in accordance with the Decision and Order for Zoning Case ZB-979M and the Decision and Order for PB-339 and PB-359 (Comprehensive Sketch Plan, S-99-12).
- On September 3, 1998, the Zoning Board granted approval of ZB-979M for the Preliminary Development Plan and Development Criteria to establish the MXD-3 Zoning District for this project.
- The stream delineation for this project was prepared by DMW dated 3/28/00.
- There are no 100-year floodplains within the limits of these parcels.
- No grading, removal of vegetative cover or trees, paving and new structures shall be permitted within the wetlands, streams or their required buffers, forest conservation easement and 100-year floodplain.
- The following DPZ files are applicable for this plan, ZB-979M, PB-339, PB-359, S-99-12, Wp-08-28 and SDF-08-54.
- Development or construction on this parcel must comply with setback and buffer regulations in effect at the time of submission of the site development plan, waiver petition, or building and grading permits.
- REF WF-08-28, Approved October 29, 2007, to waive sections 16.146 Preliminary Plan of the Howard County subdivision and Land Development regulations subject to the following:
 A. Compliance with comments dated October 24, 2007 from the Soil Conservation District.
 B. The applicant shall proceed with the submission of the final plan application for this site area on or before July 29, 2008.
 C. The applicant must address the forest conservation requirements with the processing to the final plan and/or the processing a site development plan for this site for mass grading, however, developments for the proposed mass grading of this site as shown on the waiver petition plan exhibit with the processing of a site development plan and/or final road construction/SWM plan.
 E. The applicant must address the processing of public water and sewer plans for this site with the processing of future final plans and/or site development plans for the development of this site.

TAX MAP 47, P/O PARCEL 837
 HRD LAND HOLDINGS, INC.
 LIBER 5289, FOLIO 330
 ZONED PEC-MXD-3



FOREST CONSERVATION LINE TABLE

LINE	BEARING	DISTANCE	LINE	BEARING	DISTANCE
FC1	S 45°33'49" E	28.56'	FC11	S 80°26'23" E	13.64'
FC2	S 47°57'14" E	36.42'	FC12	N 09°33'37" E	65.47'
FC3	S 52°38'30" E	37.24'	FC13	S 61°00'35" E	89.06'
FC4	S 13°34'59" E	13.72'	FC14	S 35°54'37" E	27.45'
FC5	S 37°09'08" E	26.22'	FC15	S 12°52'08" E	39.23'
FC6	S 61°00'35" E	48.28'	FC16	S 77°07'52" W	75.98'
FC7	S 09°33'37" W	50.92'	FC17	S 33°49'15" W	96.25'
FC8	S 80°26'23" E	10.71'	FC18	N 58°12'49" W	39.23'
FC9	S 24°50'35" E	11.77'	FC19	S 48°03'32" E	35.00'
FC10	S 09°33'37" W	15.77'			

FOREST CONSERVATION CURVE TABLE

CURVE	DELTA ANGLE	RADIUS	ARC	CHORD BEARING	CHORD LENGTH	TANGENT
C7	47°53'05"	91.00'	66.82'	S 27°00'41" E	65.03'	34.83'
C8	09°51'15"	795.00'	136.73'	S 59°32'28" W	136.56'	68.54'
C9	23°16'42"	530.77'	215.64'	S 65°29'31" W	214.16'	109.33'
C10	20°01'55"	249.77'	87.33'	S 43°50'13" W	86.28'	44.11'
C11	06°18'52"	4054.72'	446.86'	N 37°47'02" E	446.63'	223.66'

TABULATION OF FINAL PLAT		TOTAL
A. TOTAL NUMBER OF LOTS AND/OR PARCELS TO BE RECORDED		1
BUILDABLE	1	
NON BUILDABLE PARCEL	0	
OPEN SPACE LOTS	0	
B. TOTAL AREA OF LOTS AND/OR PARCELS		13.075 AC.±
BUILDABLE	13.075 AC.±	
NON BUILDABLE PARCEL	0.000 AC.±	
OPEN SPACE LOTS	0.000 AC.±	
C. TOTAL AREA OF ROADWAY AND HIGHWAY WIDENING TO BE RECORDED ..		0.000 AC.±
D. TOTAL AREA OF SUBDIVISION TO BE RECORDED		13.075 AC.±

OWNER/DEVELOPER
 The Howard Research and Development Corporation
 10275 Little Patuxent Parkway
 Columbia, Maryland 21044



DMW
 DAFT MCCUNE WALKER INC
 200 EAST PENNSYLVANIA TOWSON, MD 21286
 P: 410 296 3333 F: 410 296 4705 WWW.DMW.COM
 A TEAM OF LAND PLANNERS, LANDSCAPE ARCHITECTS,
 ENGINEERS, SURVEYORS & ENVIRONMENTAL PROFESSIONALS

OWNER'S DEDICATION

We, The Howard Research and Development Corporation, a Maryland Corporation by Gregory F. Hamm, Vice President, Owner of the property shown 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 all roads and street rights-of-way and the specific easements shown hereon;
 (2) The right to require dedication for public use the beds of the streets and/or roads, and floodplains and open spaces, where applicable, and for other good and valuable consideration, hereby grant the right and option to Howard County, to acquire the fee simple title to the beds of the streets and/or roads and 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 the said easements and rights-of-way.

Witness our hands this 29 day of August 2008
 Gregory F. Hamm Vice President Date: 8-29-08
 The Howard Research and Development Corporation
 Witness Paul G. Cavanna Date: 8-29-08
 Jeffrey C. Palkovitz Assistant Secretary Date: 8-29-08

SURVEYOR'S CERTIFICATE

I hereby certify, to the best of my knowledge, information and belief, that the final plat shown hereon is correct; that it is a Subdivision of part of the land conveyed by The Howard Research and Development Corporation, A Maryland corporation by deed dated December 18, 2000 and recorded in the land records of Howard County, Maryland, in liber 5289 at folio 330; HRD Land Holdings, INC. having thereafter changed it's name to The Howard Research and Development Corporation by articles of amendment dated January 5, 2001, 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 now amended.
 Michael D. Martin, Professional Land Surveyor
 Maryland Registration No. 21234
 Date: 8-29-08

RECORDED AS PLAT No. 20234 ON 9/26/08
 IN THE LAND RECORDS OF HOWARD COUNTY, MARYLAND

EMERSON
 SECTION 3, AREA 6
 PARCEL A
 TAX MAP 47, GRID 9, PARCEL P/O 837
 ZONED: PEC-MXD-3
 6TH ELECTION DISTRICT
 HOWARD COUNTY MARYLAND
 AUGUST 19, 2008
 SCALE 1" = 100'
 SHEET 1 OF 1

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, IN HOWARD COUNTY HEALTH DEPARTMENT
 B. Nihon for Peter Beilenson 9/19/2008
 Howard County Health Officer Date
 APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
 Chief, Development Engineering Division Date: 9/4/08
 Director Date: 9/24/08