

EMERSON SECTION 2, PHASE 9

OPEN SPACE LOT 1

FOREST CONSERVATION EASEMENT CHART

	AREA OF RETENTION	AREA OF REFORESTATION	FLOODPLAIN NON-CREDITED EASEMENT (FLOODPLAIN, WIRE ZONE)	TOTAL AREA
A	0.00 AC.±	2.85 AC.±	26.719 AC.±	29.569 AC.±
B	0.06 AC.±	1.55 AC.±	14.828 AC.±	16.438 AC.±
C	0.83 AC.±	0.10 AC.±	4.19 AC.±	5.122 AC.±
TOTAL	0.89 AC.±	4.50 AC.±	45.739 AC.±	51.129 AC.±

COORDINATE TABLE

POINT	NORTHING	EASTING
1	533476.0190	1353722.4369
2	532958.5701	1354915.4737
3	533199.4987	1355928.0307
4	533172.4986	1355855.1176
5	533104.8817	1355792.7973
6	533022.2978	1355753.1182
7	533008.4178	1355760.4218
8	532938.5684	1356012.0819
9	532829.8673	1355904.8409
10	532726.0611	1355853.0516
11	532704.1250	1355827.1519
12	532666.3626	1355793.9669
13	532551.5537	1355711.5358
14	532534.1371	1355588.3124
15	532427.7251	1355586.9123
16	532425.3948	1355556.6764
17	532148.3884	1355203.1505
18	532168.4205	1355172.7457
19	532079.7202	1354860.2834
20	531979.7992	1354732.3663
21	531993.0765	1354705.4756
22	531921.4922	1354710.7728
23	531841.0629	1354541.5543
24	531857.6886	1354179.0354
25	532110.2257	1353787.1704
26	532418.4957	1353787.2855
27	532521.7488	1353758.9902
28	532658.5159	1353687.9210
29	532670.2653	1353641.5153
30	532956.4584	1353495.7852
31	533166.7588	1353645.2088
32	533279.4112	1353647.7046

OWNER/DEVELOPER

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

TAX MAP 47, P/O PARCEL 837
HOWARD RESEARCH AND DEVELOPMENT CORPORATION "EMERSON, SECTION 3, AREA 1, OPEN SPACE PARCEL D, DEDICATED TO HOWARD COUNTY, MD" PLAT # 15832 ZONED PEC-MXD-3

TAX MAP 47, P/O PARCEL 837
HOWARD RESEARCH AND DEVELOPMENT CORPORATION "EMERSON, SECTION 3, AREA 1, OPEN SPACE PARCEL D, DEDICATED TO HOWARD COUNTY MARYLAND" PLAT # 15828 ZONED PEC-MXD-3

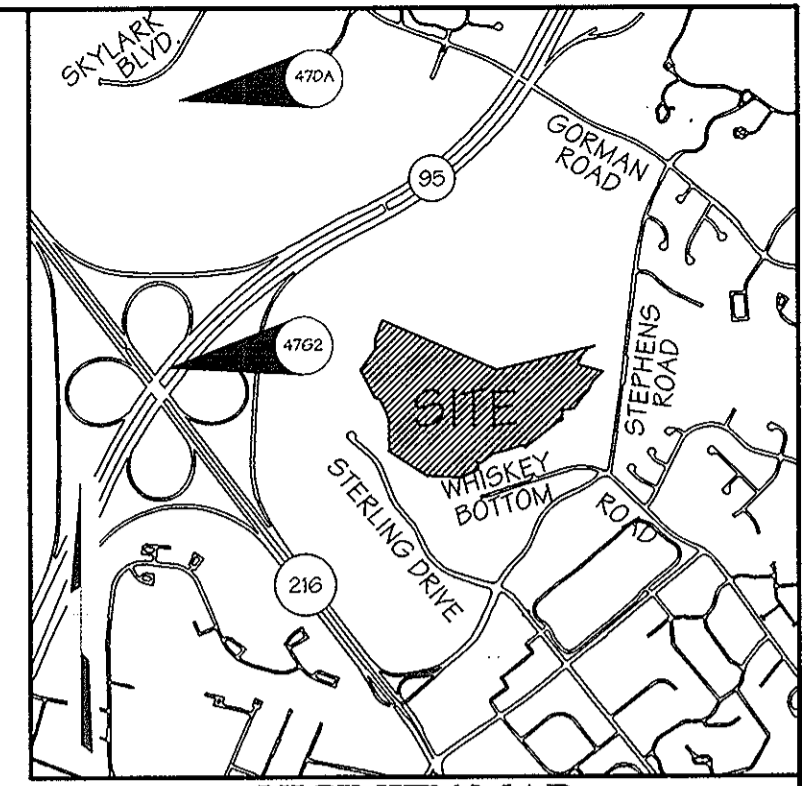


The requirements of Section 3-108, The Real Property Article, Annotated Code Of Maryland, 1988 Replacement Volume, (as supplemented) as far as they relate to the making of this plat and the setting of markers have been complied with.

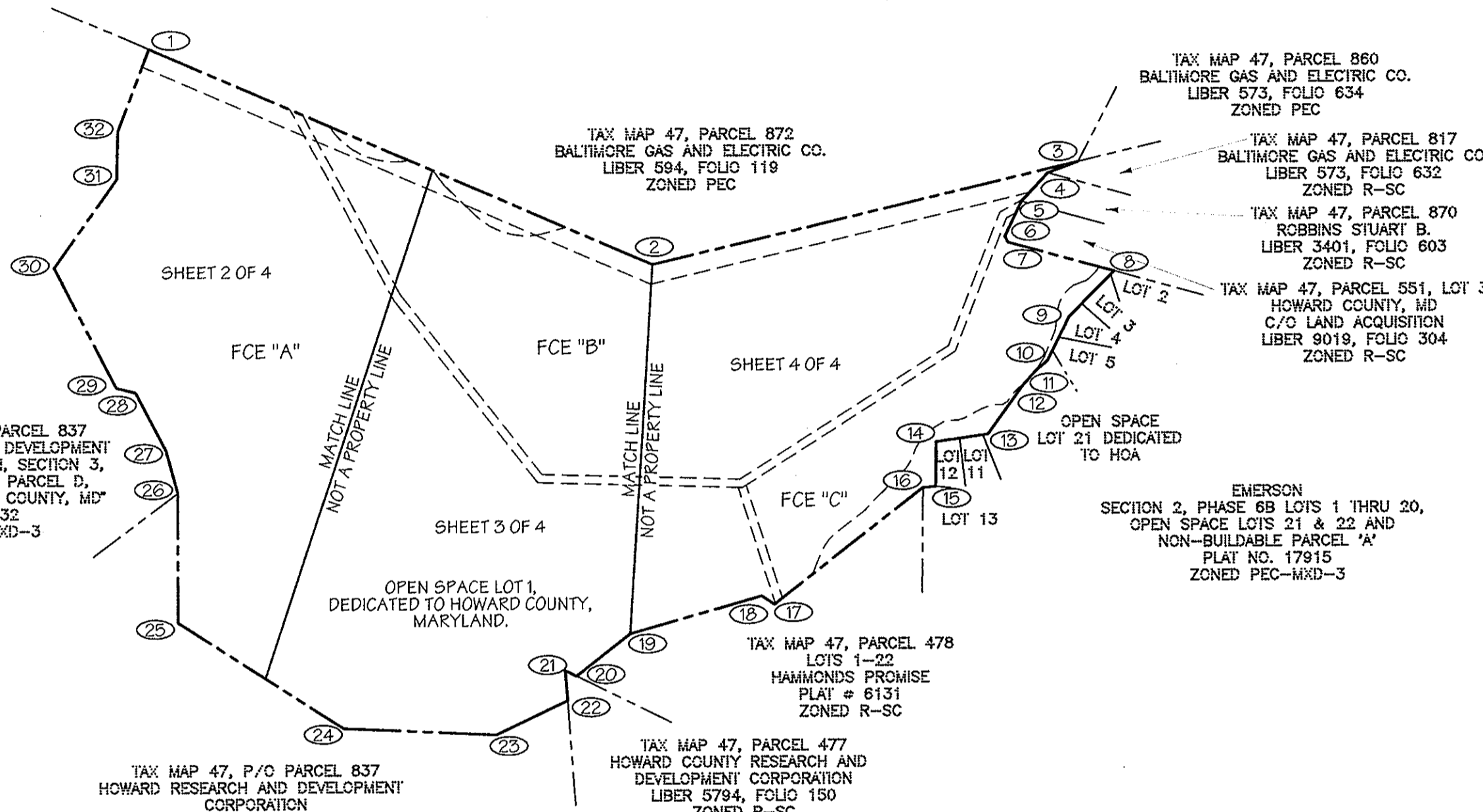
Michael D. Martin
Michael D. Martin, Professional Land Surveyor
Maryland Registration No. 21234
Date 6-16-08

Gregory F. Hamm
Gregory F. Hamm, Vice President
The Howard Research and Development Corporation
Date 6-19-08

James D. Leno
James D. Leno, Assistant Secretary
Date 6-19-08



VICINITY MAP
SCALE: 1" = 2000'



GENERAL NOTES:

- Coordinates are based on Maryland Coordinated System - NAD83 (1991) as projected by Howard County Geodetic Control Stations No. 47DA and 47E4.
- 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 February 2, 2004 Comprehensive Zoning Plan, and the 07/28/06 Comp Lite Zoning Regulation Amendments and per ZB-979M approved on 09/03/98.
- 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 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 project complies with the requirements of Section 16.1200 of the Howard County Code for Forest Conservation, by the reforestation of 4.50 acres and the retention of 0.90 acres. A surety in the amount of \$7,841.00 is required for forest retention (0.90 acres @ \$0.20/s.f.), and a surety in the amount of \$98,010.00 is required for reforestation (4.50 acres @ \$0.50/s.f.). The total forest conservation surety amount is \$105,851.00. When evaluated cumulatively with previous phases of the project, 71.14± acres of forest have been cleared, 55.58± acres have been retained, and 2.05± acres has been reforested. The cumulative reforestation obligation is 13.50 acres, and the reforestation area is 20.56 acres. The total Forest Conservation Easement area is 51.129 acres, the total Credited Forest Conservation Easement is 0.90 acres.
- There is 100-year floodplain on site. The Floodplain study for this project was prepared by Howard County for the Hammond Branch, dated 1986.
- There are no existing dwellings on this site.
- Department of planning and zoning reference file numbers: F-04-53, F-05-93, W/S 24-4120-D, S-99-12, F-03-13, ZB-979-M, F-05-49, PB-339, PB-359, F-01-127, P-03-16, WP-01-14, WP-03-154, WP-05-24, F-07-138, WP-08-41.
- This property is located within the Metropolitan District.
- No improvements shall be constructed or placed within the Public Water and Utility Easement that will impede or hinder access to the water main.
- Phasing for this project is in the accordance with the Decision and Order for Zoning Case ZB-979M and the Decision and Order for PB-339 (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.
- There are no known cemeteries or historic structures located within the limits of this plat.
- The open space lot shown hereon is to be dedicated to "Howard County, Maryland".
- The minimum building setback restrictions from property lines and public road Rights-of-way is to be in accordance with the Development Criteria approved with S-99-12 and the Decision and order for PB-339 and PB-359.
- The wetlands and stream delineation for this project was prepared by DMW dated 3/28/00. The existing wetlands shown hereon will not be impacted by this plan.

GENERAL NOTES CONTINUED:

- REF WP-08-41, Approved February 1, 2008, to waive sections 16.14G (waiver from the preliminary plan requirement) and 16.121 (e) (waiver from the 40 foot minimum public road frontage requirement for Open Space Lot 1) of the Howard County subdivision and Land Development regulations subject to the following:
 - The developer shall comply with the DPZ Policy Memorandum dated January 8, 2008 concerning required setbacks and planting requirements for proposed forest conservation easements located in close proximity to BGE power lines or transmission right-of-way.
 - Best management practices for planting the proposed forest conservation trees when working within the environmental features (streams, wetlands and flood plain area) and buffers shall be used by the landscape contractor when installing the forest conservation plants and protective devices.

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

TABULATION OF FINAL PLAT	TOTAL	2	3	4
A. TOTAL NUMBER OF LOTS AND/OR PARCELS TO BE RECORDED	1	1	P/O	F/O
BUILDABLE	0	0	0	0
OPEN SPACE LOTS	1	1	P/O	F/O
B. TOTAL AREA OF LOTS AND/OR PARCELS	52.410 AC.±	16.357 AC.±	19.479 AC.±	16.574 AC.±
BUILDABLE	0.000 AC.±	0.000 AC.±	0.000 AC.±	0.000 AC.±
OPEN SPACE LOTS	52.410 AC.±	16.357 AC.±	19.479 AC.±	16.574 AC.±
C. TOTAL AREA OF ROADWAY AND HIGHWAY WIDENING TO BE RECORDED	0.000 AC.±	0.000 AC.±	0.000 AC.±	0.000 AC.±
D. TOTAL AREA OF SUBDIVISION TO BE RECORDED	52.410 AC.±	16.357 AC.±	19.479 AC.±	16.574 AC.±

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,

- 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;
- 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;
- The right to require dedication of waterways and drainage easements for the specific purpose of their construction, repair and maintenance; and
- 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 19 day of 6 08

Gregory F. Hamm
Gregory F. Hamm, Vice President
The Howard Research and Development Corporation
Date 6-19-08

James D. Leno
James D. Leno, Assistant Secretary
Date 6-19-08

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 52889 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
Michael D. Martin, Professional Land Surveyor
Maryland Registration No. 21234
Date 6-16-08

RECORDED AS PLAT No. 20058 ON 7/31/08
IN THE LAND RECORDS OF HOWARD COUNTY, MARYLAND

EMERSON

SECTION 2, PHASE 9
OPEN SPACE LOT 1
TAX MAP NO. 47, GRID 15, PARCEL NO. P/O 837
ZONED: PEC-MXD-3
6th ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
MAY 6, 2008



SCALE 1" = 300'
SHEET 10F 4

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, IN HOWARD COUNTY HEALTH DEPARTMENT
B. Nelson for Peter Beilenson, MD 7/18/2008
Howard County Health Officer

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
Chief, Development Engineering Division 7/10/08
Date

Director 7/24/08
Date

TABULATION OF FINAL PLAT	TOTAL
A. TOTAL NUMBER OF LOTS AND/OR PARCELS TO BE RECORDED	1
BUILDABLE	0
OPEN SPACE LOTS	1
B. TOTAL AREA OF LOTS AND/OR PARCELS	16.357 AC.±
BUILDABLE	0.000 AC.±
OPEN SPACE LOTS	16.357 AC.±
C. TOTAL AREA OF ROADWAY AND HIGHWAY WIDENING TO BE RECORDED	0.000 AC.±
D. TOTAL AREA OF SUBDIVISION TO BE RECORDED	16.357 AC.±

The requirements of Section 3-10B, 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 6-16-08
 Michael D. Martin, Professional Land Surveyor
 Maryland Registration No. 21234

Gregory F. Hamm 6-19-08
 Gregory F. Hamm, Vice President
 The Howard Research and Development Corporation

James D. Lano 6-19-08
 James D. Lano, Assistant Secretary

TAX MAP 47, P/O PARCEL 837
 HOWARD RESEARCH AND DEVELOPMENT CORPORATION
 "EMERSON, SECTION 3, AREA 1,
 OPEN SPACE PARCEL D, DEDICATED
 TO HOWARD COUNTY, MD"
 PLAT # 15832
 ZONED PEC-MXD-3

EXISTING FOREST CONSERVATION EASEMENT AREA "O" AND 100-YEAR FLOODPLAIN, DRAINAGE AND UTILITY EASEMENT PLAT # 15832

COORDINATE TABLE

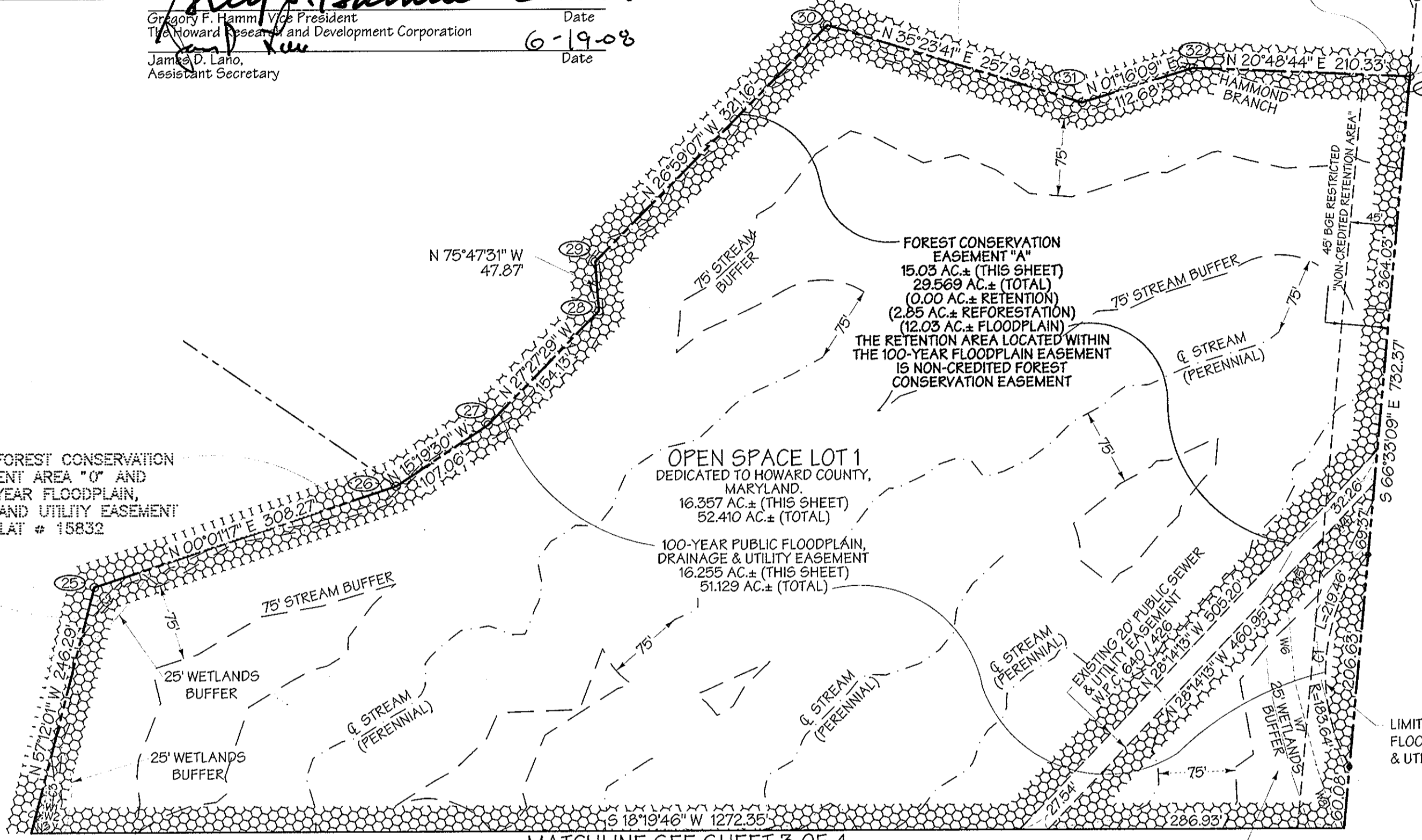
POINT	NORTHING	EASTING
1	533476.0190	1353722.4369
25	532110.2257	1353787.1704
26	532418.4957	1353787.2855
27	532521.7488	1353758.9902
28	532656.5159	1353667.9210
29	532670.2653	1353641.5153
30	532956.4584	1353495.7852
31	533166.7588	1353645.2088
32	533279.4112	1353647.7046

WETLANDS LINE TABLE

LINE	BEARING	DISTANCE
W1	N 60°44'07" W	11.63'
W2	N 67°28'28" W	5.25'
W3	N 01°28'37" E	4.68'
W4	S 24°22'07" E	68.01'
W5	S 41°07'47" E	63.02'
W6	S 76°43'56" E	69.94'
W7	S 85°51'30" E	84.53'
W8	S 89°41'18" E	64.94'

EXISTING FOREST CONSERVATION EASEMENT AREA "O" AND 100-YEAR FLOODPLAIN, DRAINAGE AND UTILITY EASEMENT PLAT # 15832

TAX MAP 47, P/O PARCEL 837
 HOWARD RESEARCH AND DEVELOPMENT CORPORATION
 "EMERSON, SECTION 3, AREA 1,
 OPEN SPACE PARCEL D, DEDICATED
 TO HOWARD COUNTY, MD"
 PLAT # 15829
 ZONED PEC-MXD-3



TAX MAP 47, PARCEL 872
 BALTIMORE GAS AND ELECTRIC CO.
 LIBER 584, FOLIO 119
 ZONED PEC

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

CURVE TABLE

CURVE	DELTA ANGLE	RADIUS	ARC	CHORD BEARING	CHORD LENGTH	TANGENT
C1	68°28'17"	183.64'	219.46'	S 66°33'09" E	206.63'	124.97'
C2	09°55'38"	214.00'	37.08'	S 31°05'46" E	37.03'	18.59'
C3	20°36'11"	60.00'	21.58'	N 71°02'12" W	21.46'	10.91'
C4	68°57'05"	6.00'	7.22'	N 32°59'55" W	6.79'	4.12'



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 17 day of 6 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 6-16-08
 Michael D. Martin, Professional Land Surveyor
 Maryland Registration No. 21234

RECORDED AS PLAT No. 20059 ON 7/31/08
 IN THE LAND RECORDS OF HOWARD COUNTY, MARYLAND

EMERSON

SECTION 2, PHASE 9
 OPEN SPACE LOT 1
 TAX MAP NO. 47, GRID 15, PARCEL NO. P/O 837
 ZONED:PEC-MXD-3
 6th ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 MAY 6, 2008



SCALE 1" = 100'
 SHEET 2 OF 4

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

Mark McLaughlin 7/22/08
 Chief, Development Engineering Division

Gregory F. Hamm 6-19-08
 Gregory F. Hamm, Vice President
 The Howard Research and Development Corporation

Gregory F. Hamm 6-19-08
 Gregory F. Hamm, Vice President
 The Howard Research and Development Corporation

James D. Lano 6-19-08
 James D. Lano, Assistant Secretary

TABULATION OF FINAL PLAT	TOTAL
A. TOTAL NUMBER OF LOTS AND/OR PARCELS TO BE RECORDED	P/O 1
BUILDABLE	0
OPEN SPACE LOTS	P/O 1
B. TOTAL AREA OF LOTS AND/OR PARCELS	19.479 AC.±
BUILDABLE	0.000 AC.±
OPEN SPACE LOTS	19.479 AC.±
C. TOTAL AREA OF ROADWAY AND HIGHWAY WIDENING TO BE RECORDED	0.000 AC.±
D. TOTAL AREA OF SUBDIVISION TO BE RECORDED	19.479 AC.±

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 6-16-08
 Michael D. Martin, Professional Land Surveyor
 Maryland Registration No. 21234 Date

Gregory F. Hamm 6-19-08
 Gregory F. Hamm, Vice President
 The Howard Research and Development Corporation Date

James D. Lano 6-19-08
 James D. Lano, Assistant Secretary Date

E 1,354,100
 N 533,400

COORDINATE TABLE

POINT	NORTHING	EASTING
2	532958.5701	1354915.4737
19	532079.7202	1354860.2834
20	531979.7992	1354732.3663
21	531993.0765	1354705.4756
22	531921.4922	1354710.7728
23	531841.0629	1354541.5543
24	531857.6886	1354179.0354

WETLANDS LINE TABLE

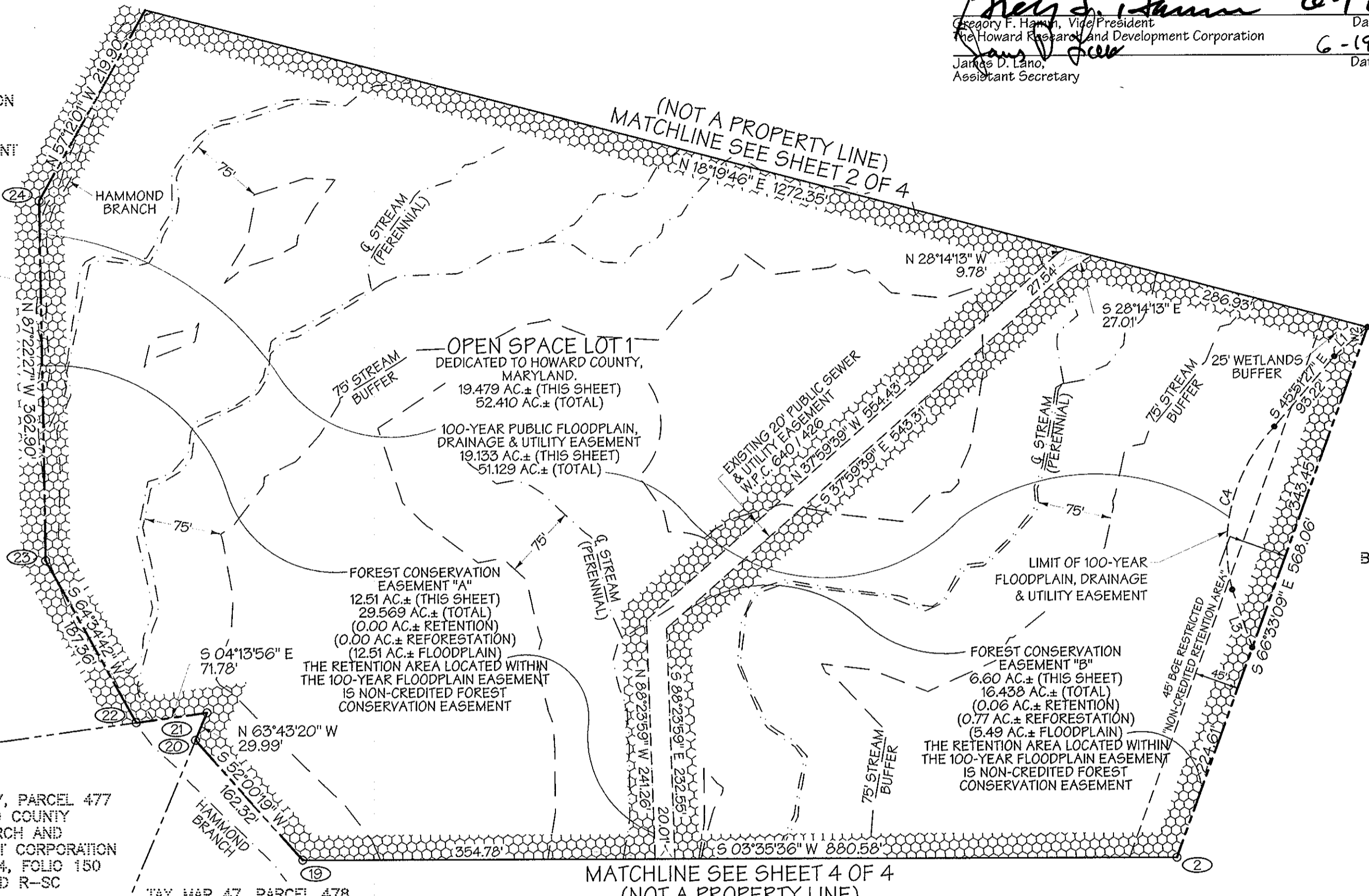
LINE	BEARING	DISTANCE
W2	S 89°41'18" E	17.57

TAX MAP 47, P/O PARCEL 837
 HOWARD RESEARCH AND
 DEVELOPMENT CORPORATION
 "EMERSON, SECTION 3, AREA 1,
 OPEN SPACE PARCEL D,
 DEDICATED TO HOWARD COUNTY
 MARYLAND
 PLAT # 15823
 ZONED PEC-MXD-3

TAX MAP 47, PARCEL 477
 HOWARD COUNTY
 RESEARCH AND
 DEVELOPMENT CORPORATION
 LIBER 5794, FOLIO 150
 ZONED R-SC

OWNER/DEVELOPER

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



LINE TABLE

LINE	BEARING	DISTANCE
L1	S 37°36'07" E	44.52
L3	N 74°39'42" E	61.80

CURVE TABLE

CURVE	DELTA ANGLE	RADIUS	ARC	CHORD BEARING	CHORD LENGTH	TANGENT
C4	57°53'09"	175.48'	177.29'	S 71°53'03" E	169.84'	97.04'

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 19 day of 6 08

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, IN HOWARD COUNTY HEALTH DEPARTMENT

B. Dufour for Peter Beileman, MD 7/18/2008
 Howard County Health Officer Date

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

Mark A. Kyle 7/14/08
 Chief, Development Engineering Division Date

James D. Lano 7/14/08
 Director Date

Gregory F. Hamm 6-19-08
 Gregory F. Hamm, Vice President Date
James D. Lano 6-19-08
 James D. Lano, Assistant Secretary Date

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 6-16-08
 Michael D. Martin, Professional Land Surveyor
 Maryland Registration No. 21234 Date

RECORDED AS PLAT No. 20060 ON 7/31/08
 IN THE LAND RECORDS OF HOWARD COUNTY, MARYLAND

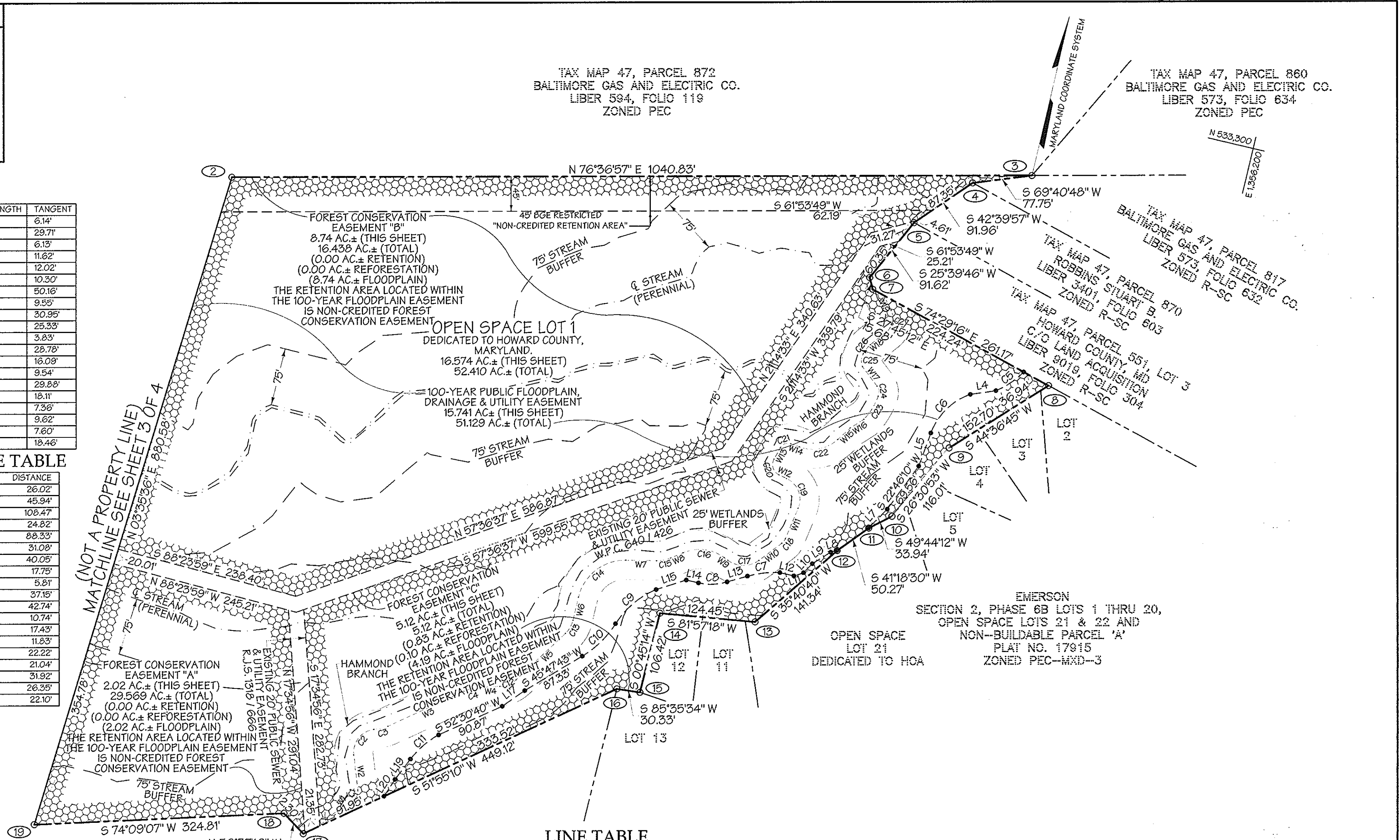
EMERSON

SECTION 2, PHASE 9
 OPEN SPACE LOT 1
 TAX MAP NO. 47, GRID 15, PARCEL NO. P/O 837
 ZONED: PEC-MXD-3
 6th ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 MAY 6, 2008



SCALE 1" = 100'
 SHEET 30F 4

TABULATION OF FINAL PLAT	TOTAL
A. TOTAL NUMBER OF LOTS AND/OR PARCELS TO BE RECORDED BUILDABLE	P/O 1
OPEN SPACE LOTS	P/O 1
B. TOTAL AREA OF LOTS AND/OR PARCELS BUILDABLE	16.574 AC.±
OPEN SPACE LOTS	0.000 AC.±
	16.574 AC.±
C. TOTAL AREA OF ROADWAY AND HIGHWAY WIDENING TO BE RECORDED	0.000 AC.±
D. TOTAL AREA OF SUBDIVISION TO BE RECORDED	16.574 AC.±



WETLANDS CURVE TABLE

CURVE	DELTA ANGLE	RADIUS	ARC LENGTH	CHORD BEARING	CHORD LENGTH	TANGENT
C1	41°58'54"	16.00'	11.72'	N 00°59'24" E	11.46'	6.14'
C2	89°28'09"	30.00'	46.83'	N 24°43'02" E	42.22'	29.71'
C3	17°28'12"	40.00'	12.17'	N 60°43'00" E	12.13'	6.13'
C4	22°38'56"	58.00'	22.93'	N 63°19'22" E	22.78'	11.62'
C12	41°09'55"	32.00'	22.99'	N 54°03'52" E	22.50'	12.02'
C13	33°42'32"	34.00'	20.00'	N 16°37'38" E	19.72'	10.30'
C14	77°37'02"	62.00'	84.35'	N 38°44'53" E	77.99'	50.16'
C15	23°57'51"	45.00'	18.82'	N 65°44'28" E	18.68'	9.55'
C16	59°38'19"	54.00'	56.21'	N 83°34'43" E	53.70'	30.95'
C17	75°22'10"	34.00'	43.54'	N 76°42'47" E	40.62'	25.33'
C18	30°37'45"	14.00'	7.48'	N 24°42'50" E	7.40'	3.83'
C19	87°37'12"	30.00'	45.88'	N 34°24'39" W	41.54'	28.78'
C20	94°01'28"	15.00'	24.62'	N 51°12'31" W	21.94'	16.09'
C21	81°53'09"	11.00'	15.72'	N 56°44'48" E	14.42'	9.54'
C22	63°48'12"	48.00'	53.45'	N 65°47'16" E	50.73'	29.88'
C23	22°28'13"	91.17'	35.76'	N 18°25'05" E	35.53'	18.11'
C24	58°17'06"	13.21'	13.44'	N 19°50'00" W	12.87'	7.36'
C25	54°23'31"	18.69'	17.77'	N 09°54'05" W	17.11'	9.62'
C26	21°09'01"	40.71'	15.03'	N 24°48'21" E	14.94'	7.60'
C27	77°29'34"	23.00'	31.11'	N 00°37'04" W	28.79'	18.46'

COORDINATE TABLE

POINT	NORTHING	EASTING
2	532958.5701	1354915.4737
3	533199.4987	1355928.0307
4	533172.4996	1355853.1176
5	533104.8817	1355792.7973
6	533022.2978	1355753.1182
7	533008.4178	1355760.4218
8	532938.5684	1356012.0819
9	532829.8673	1355904.8409
10	532726.0611	1355853.0516
11	532704.1250	1355827.1519
12	532666.3826	1355793.9669
13	532551.5537	1355711.5358
14	532534.1371	1355688.3124
15	532427.7251	1355586.9123
16	532425.3948	1355556.6764
17	532148.3824	1355203.1505
18	532168.4205	1355172.7457
19	532079.7202	1354860.2834

WETLANDS LINE TABLE

LINE	BEARING	DISTANCE
W1	N 21°53'51" E	26.02'
W2	N 20°00'03" W	45.94'
W3	N 51°59'54" E	108.47'
W4	N 74°38'49" E	24.82'
W5	N 33°28'54" E	88.33'
W6	N 00°13'38" W	31.08'
W7	N 77°43'24" E	40.05'
W8	N 53°45'33" E	17.75'
W9	S 66°36'08" E	5.81'
W10	N 40°14'42" E	37.15'
W11	N 09°23'58" E	42.74'
W12	N 78°13'15" W	10.74'
W13	N 15°48'13" E	17.43'
W14	S 82°18'38" E	11.83'
W15	N 33°53'10" E	22.22'
W16	N 44°31'57" E	21.04'
W17	N 50°07'01" W	31.92'
W18	N 38°07'43" E	26.35'
W19	N 39°21'51" W	22.10'

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

TAX MAP 47, PARCEL 478
 LOTS 1-22
 HAMMONDS PROMISE
 PLAT # 6131
 ZONED R-SC

CURVE TABLE

CURVE	DELTA ANGLE	RADIUS	ARC	CHORD BEARING	CHORD LENGTH	TANGENT
C5	23°52'57"	104.99'	43.76'	S 42°33'40" W	43.45'	22.20'
C6	50°55'30"	83.67'	74.36'	S 32°14'13" W	71.94'	39.84'
C7	18°50'22"	129.71'	42.65'	S 70°32'30" W	42.46'	21.52'
C8	30°29'06"	70.78'	37.66'	S 74°38'50" W	37.22'	19.29'
C9	35°00'21"	114.78'	70.12'	S 36°24'19" W	69.04'	36.20'
C10	26°53'34"	129.59'	60.83'	S 32°20'56" W	60.27'	30.98'
C11	24°13'25"	114.91'	48.58'	S 35°54'00" W	48.22'	24.66'

LINE TABLE

LINE	BEARING	DISTANCE
L4	S 68°32'24" W	33.69'
L5	S 08°46'28" W	45.81'
L7	S 31°44'04" W	34.51'
L8	S 62°53'29" W	8.53'
L9	S 44°33'49" W	28.34'
L10	S 30°58'37" W	16.37'
L11	S 58°40'50" W	13.08'
L12	N 90°00'00" W	18.73'
L13	S 61°07'19" W	27.80'
L14	S 89°53'23" W	16.38'
L15	S 59°13'02" W	41.20'
L17	S 41°45'02" W	35.58'
L19	S 23°47'18" W	33.34'
L20	S 19°51'56" W	26.13'

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 6-10-08
 Michael D. Martin, Professional Land Surveyor
 Maryland Registration No. 21234

Gregory F. Hamm 6-19-08
 Gregory F. Hamm, Vice President
 The Howard Research and Development Corporation

James D. Lano 6-19-08
 James D. Lano, Assistant Secretary



APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, IN HOWARD COUNTY HEALTH DEPARTMENT

Brian P. Beilenson 7/18/08
 Brian P. Beilenson, MD
 Howard County Health Officer

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

Charles D. Lajoie 7/10/08
 Charles D. Lajoie
 Chief, Development Engineering Division

James D. Lano 7/23/08
 James D. Lano
 Director

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,

- 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;
- 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;
- The right to require dedication of waterways and drainage easements for the specific purpose of their construction, repair and maintenance; and
- 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 19 day of 6 08

Gregory F. Hamm 6-19-08
 Gregory F. Hamm, Vice President
 The Howard Research and Development Corporation

James D. Lano 6-19-08
 James D. Lano, Assistant Secretary

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 its 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 6-10-08
 Michael D. Martin, Professional Land Surveyor
 Maryland Registration No. 21234

RECORDED AS PLAT No. 20061 ON 7/31/08
 IN THE LAND RECORDS OF HOWARD COUNTY, MARYLAND

EMERSON

SECTION 2, PHASE 9
 OPEN SPACE LOT 1
 TAX MAP NO. 47, GRID 15, PARCEL NO. P/O 837
 ZONED: PEC-MXD-3
 6th ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 MAY 6, 2008

SCALE 1" = 100'
 SHEET 4 OF 4