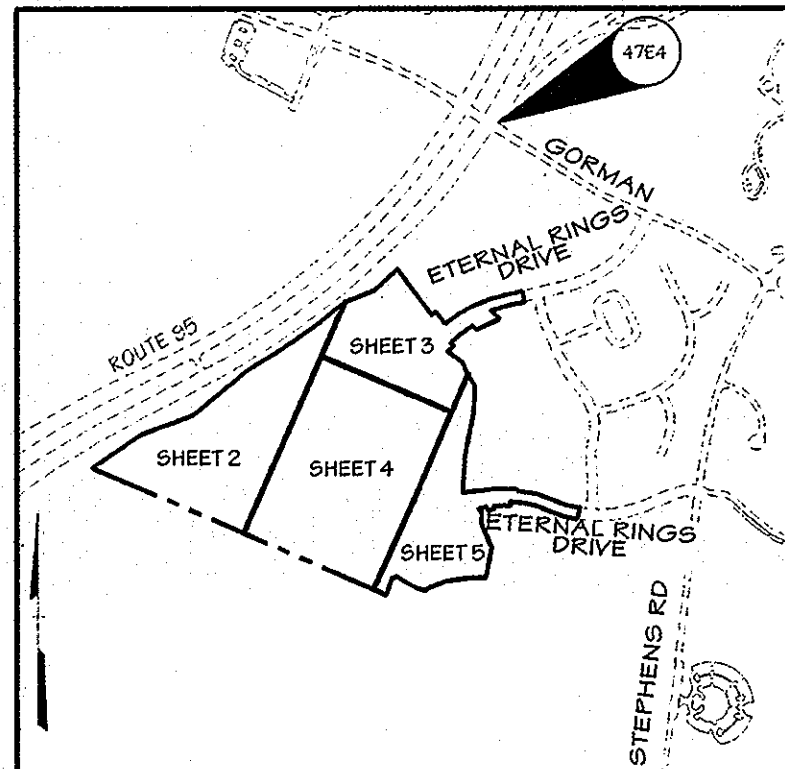
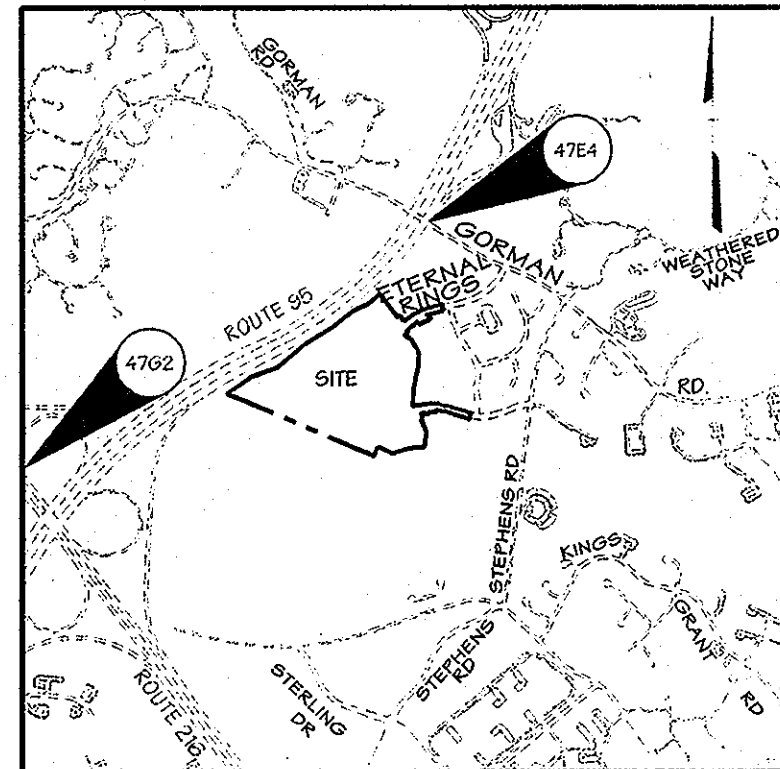


# EMERSON SECTION 3, AREA 7

## PARCEL A OPEN SPACE LOTS 1 & 2



**SHEET INDEX**  
SCALE: 1" = 1000'



**VICINITY MAP**  
SCALE: 1" = 2000'  
ADC MAP 5169

### GENERAL NOTES:

1. Coordinates are based on Maryland Coordinated System - NAD83 (1991) as projected by Howard County Geodetic Control Stations No. 47G2 and 47E4.
2. This Plat is based upon a field run monumented boundary survey performed on or about June 25, 1999 by Daft-McCune-Walker, Inc.
3. All areas shown on this plat are more or less.
4. The subject property is Zoned MXD-3 per the July 28, 2006 Comprehensive Zoning Plan and ZB-979M. The Zoning Board granted approval of ZB-979M on September 3, 1998 for the preliminary development plan and development criteria for the 516.9 acres of land rezoned as FEC-MXD-3 and R-SC-MXD-3. The Decision and Order was signed on September 3, 1998.
5. 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.
6. Landscaping is provided in accordance with a certified Landscape Plan on file included with the road construction plan set.
7. Driveways shall be provided prior to residential occupancy to insure safe access for fire and emergency vehicles per the following minimum requirements: Width - 12 feet (16 feet serving more than one residence) Surface - 6 inches of compacted crusher run base with tar and chip coating (1 1/2" min.) Geometry - Maximum 15% grade, maximum 10% grade change and minimum of 45 foot turning radius Structures (culverts/bridges) - Capable of supporting 25 gross tons (H25 loading) Drainage Elements - Capable of safely passing 100-year flood with no more than 1 foot depth over driveway surface Structure clearances - Minimum 12 feet Maintenance - Sufficient to insure all weather use.
8. Previous Howard County Department of Planning and Zoning File Nos.: ZB-979M, F-04-053 5-99-12, PB-339, ZB-979-M, P08-08.
9. Minimum building setback restrictions from property and public road rights-of-way lines in accordance with the Development Criteria approved with 5-99-12 and the decision and order for PB-339 and PB-539.
10. Water and sewer service to these lots will be granted under the provisions of Section 18.122.B of the Howard County Code.
11. Public water and sewerage allocation will be granted at the time of issuance of the building permit capacity is available at that time. Public water and sewer will be provided under contract No. 24-4696-D.
12. There are no known cemeteries or historic structures on this site.
13. Planning for this project is in accordance with the decision and order for Zoning Case: ZB-979M and the decision for and order for PB-339 (Comprehensive Sketch Plan 5-99-012).
14. Stormwater Management Quality is provided by two P-3 Wet Extended Detention Facilities (WetPonds). Recharge to be provided at the time of development. The facilities are to be privately owned and maintained by the property owner.
15. A Wetland report was prepared by Daft-McCune-Walker, Inc. and approved in April 2001.
16. The Floodplain study for this project was prepared by Daft-McCune-Walker, Inc. dated June 2003 and approved under F-04-053.
17. This phase of the Emerson project complies with Section 16.1200 of the Howard County Code for Forest Conservation by retaining 1351± acres of existing forest and providing 4,592± acres of reforestation. When evaluated cumulatively with previous phases of the project, 84,57± acres of forest have been cleared, 57,59± acres have been retained, and 26,28± acres have been reforested. The cumulative reforestation obligation is 24.71± acres. A surety in the amount of \$80,804.00 is required for reforestation (3.710 Ac. @ 0.50/ac.). The total Forest Conservation surety amount provided with the developer's Agreement is equal to \$80,804.00. (\* Reflects deduction for landscape trees.)
18. Denotes iron pipe or rebar and cap found/feet
19. Denotes angular change in bearing
19. This plan has been prepared in accordance with provisions of Section 16.124 of the Howard County Code and the Emerson Landscape Design Criteria. DED shall include the public street trees in their cost estimate for road construction in the amount of 19,500.00 (52 shade trees @ \$375). Financial surety for the required landscaping (stormwater management and perimeter landscaping) shall be posted as part of the Developer's agreement in the amount of \$63,000.00 for 136 shade trees and 148 evergreen trees.
20. The 65 dBA noise contour line drawn in 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 65dBA 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.
21. Open space lots 1 & 2 are to be dedicated to the Emerson Homeowners Association. The purpose of the open space lots will be Stormwater Management.
22. No grading, removal of vegetative cover or trees, paving and new structures shall be permitted within the limits of wetlands, stream(s), or their required buffers, Floodplain and Forest Conservation Easement areas.
23. 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.
24. The BGE setback is shown as a 45' wide area based on BGE's "Planting Zone Guide". The first 20 feet is shown as NON-Credited no planting zone. The next 25 feet is shown as a NON-Credited Retention area with Credited Reforestation with trees that are less than 25 feet in height at maturity.
25. An administrative waiver for Stormwater Management was granted for this parcel by Howard County Development Engineering Division on January 18, 2011. The request was approved subject to the bonding of SWM under F-11-036 prior to the signature approval of F-11-036 plans. This administrative waiver shall not apply to the plans that do not receive final approval by May 4, 2013. This administrative waiver will expire if construction is not completed before May 4, 2017.
26. The HOA Open Space shown hereon as Lots 1 & 2 are hereby dedicated to a property association for the residents of this subdivision. The Articles of Incorporation Number D06439459. The covenants for the Emerson Community Association, Inc. were recorded in the Land Records of Howard County, Maryland in Liber 5728 Folio 464.
27. The Division of Land Development has determined that the two (2) proposed stream/floodplain crossings for the Eternal Rings Drive extension are considered necessary or essential stream/floodplain crossings for this subdivision because the ultimate road alignment was shown and approved under Comprehensive Sketch Plans, 5-99-12 and cases PB-339 and PB-539 and in accordance with Sections 16.115(c) and 16.116(c) of the Subdivision and Land Development Regulations.

The requirements 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, Professional Land Surveyor  
Maryland Registration No. 21234  
Date: 5-1-12

The Howard Research and Development Corporation  
John E. DeWitt, Vice President  
Peter F. Riley, Secretary  
Date: 4-24-2012

**OWNER/DEVELOPER**  
THE HOWARD RESEARCH & DEVELOPMENT CORPORATION  
10275 LITTLE PATUXENT PARKWAY  
COLUMBIA, MD 21044  
PH: (410) 992-6084



### PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED BY ME OR UNDER MY RESPONSIBLE CHARGE, AND THAT I AM A DULY LICENSED PROFESSIONAL LAND SURVEYOR UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 21234, EXPIRATION DATE 01/19/2015.

### PURPOSE NOTE:

THE PURPOSE OF THIS PLAT IS TO CREATE PARCEL "A" FOR FUTURE DEVELOPMENT, CREATE OPEN SPACE LOTS 1 & 2, ESTABLISH FOREST CONSERVATION EASEMENTS, ESTABLISH STORMWATER MANAGEMENT FACILITIES, ESTABLISH SEWER & UTILITY EASEMENTS, AND THE EXTENSION OF ETERNAL RINGS DRIVE, INCLUDING TWO STREAM CROSSINGS.

 <b>DAFT MCCUNE WALKER INC</b> 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					
	A. TOTAL NUMBER OF LOTS AND/OR PARCELS TO BE RECORDED	TOTAL	SHEET 2	SHEET 3	SHEET 4	SHEET 5
	BUILDABLE	3	2	P/O 1	P/O 2	1
	OPEN SPACE LOTS	1	1	P/O 1	P/O 1	P/O 1
	B. TOTAL AREA OF LOTS AND/OR PARCELS	43.112 AC±	12.312 AC±	6.772 AC±	17.192 AC±	6.836 AC±
	BUILDABLE	33.588 AC±	8.959 AC±	6.772 AC±	15.330 AC±	2.527 AC±
	OPEN SPACE LOTS	9.524 AC±	3.353 AC±	0.000 AC±	1.862 AC±	4.309 AC±
	C. TOTAL AREA OF ROADWAY AND HIGHWAY WIDENING TO BE RECORDED	2.015 AC±	0.000 AC±	1.090 AC±	0.000 AC±	0.925 AC±
	D. TOTAL AREA OF SUBDIVISION TO BE RECORDED	45.127 AC±	12.312 AC±	7.862 AC±	17.192 AC±	7.761 AC±

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

Barbara P. Beilenson, Howard County Health Officer  
Date: 5/31/2012

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

Peter F. Riley, Secretary  
Date: 4-24-2012

Peter F. Riley, Secretary  
Date: 4-24-2012

Peter F. Riley, Secretary  
Date: 4-24-2012

**OWNER'S DEDICATION**

We, The Howard Research and Development Corporation, A Maryland Corporation by **JOHN E. DEWITT, III, V.P.**, and Jeffrey C. Palkovitz, Assistant Secretary, 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 24 day of April 2012

John E. DeWitt, III, Vice President  
Date: 4-24-2012

Peter F. Riley, Secretary  
Date: 4-24-2012

**SURVEYOR'S CERTIFICATE**

I hereby certify that the final plat shown hereon is correct; that it is a Plat of subdivision of a portion of the land conveyed by THE HOWARD RESEARCH AND DEVELOPMENT CORPORATION to HRD LAND HOLDINGS, Inc. by deed dated December 18, 2000 and recorded in the land records of Howard County, Maryland, in Liber 5289, Folio 330 HRD Land Holdings, Inc. having thereafter changed its name to The Howard Research and Development Corporation by articles of Amendment filed with the Maryland Department of Assessment & Taxation on 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: 5-1-12

RECORDED AS PLAT No. **21956** ON **4/15/12**  
IN THE LAND RECORDS OF HOWARD COUNTY, MARYLAND

## EMERSON

SECTION 3, AREA 7  
PARCEL A, OPEN SPACE LOTS 1 & 2  
TAX MAP NO. 47, GRID 8, P/O PARCEL NO. 837  
ZONED: MXD-3  
SIXTH ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND  
APRIL 18, 2012

SCALE 1" = 100'  
SHEET 1 OF 5

#95054.SY

**TABULATION OF FINAL PLAT SHEET 2**

A. TOTAL NUMBER OF LOTS AND/OR PARCELS TO BE RECORDED	2
BUILDABLE	1
OPEN SPACE LOTS	1
B. TOTAL AREA OF LOTS AND/OR PARCELS	12.312 AC.±
BUILDABLE	8.959 AC.±
OPEN SPACE LOTS	3.353 AC.±
C. TOTAL AREA OF ROADWAY AND HIGHWAY WIDENING TO BE RECORDED	0.000 AC.±
D. TOTAL AREA OF SUBDIVISION TO BE RECORDED	12.312 AC.±

**COORDINATE TABLE**

POINT	NORTH	EAST
1	534100.8679	1353211.8338
2	534102.4454	1353214.1822
3	534277.5029	1353459.4862
4	534379.0968	1353732.7082
5	534616.9248	1354013.9654
7	534976.7785	1354522.4298
74	533761.0441	1353995.1375

**CURVE TABLE**

CURVE	DELTA ANGLE	RADIUS	ARC LEN	CHORD BEARING	CHORD LENGTH	TANGENT
C1	09°00'00"	3969.72'	623.56'	N 54°42'43" E	622.92'	312.42'
C2	58°50'25"	48.00'	49.23'	S 14°15'53" W	47.16'	27.07'
C3	59°55'53"	62.00'	64.85'	S 14°48'37" W	61.94'	35.75'
C4	27°36'32"	56.00'	26.98'	S 01°21'04" E	26.72'	13.76'
C5	27°36'32"	21.00'	10.12'	N 01°21'04" W	10.02'	5.16'
C6	81°54'47"	9.00'	12.87'	N 25°48'04" E	11.80'	7.81'
C7	81°54'47"	27.00'	38.80'	N 25°48'04" E	35.40'	23.43'
C8	37°00'06"	83.00'	53.60'	N 03°20'40" E	52.67'	27.77'
C9	1°38'06"	534.28'	14.94'	N 19°35'46" W	14.94'	7.47'
C10	14°38'15"	123.00'	31.42'	S 07°50'12" E	31.34'	15.80'
C11	23°22'05"	115.00'	46.90'	S 26°50'22" E	46.58'	23.78'
C12	35°36'53"	90.00'	55.94'	S 80°54'09" E	55.05'	28.91'
C13	98°59'18"	105.00'	181.41'	S 62°30'55" E	159.67'	122.91'
C14	88°46'13"	40.00'	61.97'	S 63°30'56" E	55.96'	39.15'
C15	59°23'26"	40.00'	41.46'	S 78°12'19" E	39.63'	22.81'
C16	64°17'15"	145.00'	162.68'	S 53°35'24" E	154.29'	91.11'

**FOREST CONSERVATION TABLE**

LINE	BEARING	DISTANCE
FC1	S 48°47'58" W	61.15'
FC2	S 66°23'34" W	435.55'
FC3	S 58°42'37" W	126.41'
FC4	S 49°46'57" W	108.86'
FC5	S 43°41'05" W	175.59'
FC6	S 15°09'20" E	70.86'
FC7	S 15°09'20" E	36.56'
FC8	S 12°27'13" W	21.35'
FC9	N 77°28'58" W	17.20'
FC10	N 77°28'58" W	17.80'
FC11	N 12°27'13" E	21.34'
FC12	N 15°09'20" W	54.57'
FC13	N 15°09'20" W	70.86'
FC14	N 20°23'49" W	27.85'
FC15	S 18°10'13" E	35.39'
FC16	S 33°03'49" W	21.63'
FC17	S 18°05'27" W	31.86'
FC18	S 15°09'20" E	123.14'
FC19	S 67°15'52" E	35.40'
FC20	S 77°49'13" E	22.88'
FC21	S 76°02'28" E	47.98'
FC22	N 13°57'32" E	19.04'
FC23	S 72°38'12" E	33.75'
FC24	N 12°27'13" E	60.56'
FC25	S 77°28'58" E	35.00'
FC26	S 12°27'13" W	41.30'
FC27	S 72°53'35" E	5.18'
FC28	N 81°17'25" E	28.47'
FC29	S 63°05'42" E	70.17'
FC30	S 36°32'06" E	43.15'
FC31	S 84°07'08" W	151.33'
FC32	S 54°07'09" E	141.39'
FC33	S 87°05'03" E	17.36'
FC34	S 65°05'11" E	59.93'
FC35	S 62°44'10" E	28.82'
FC36	S 46°43'24" E	18.13'
FC37	S 28°01'12" E	3.66'

**FLOOD PLAIN TABLE**

LINE	BEARING	DISTANCE
FP1	S 13°01'16" E	152.37'
FP2	S 19°07'49" E	31.78'
FP3	N 72°05'58" E	12.32'
FP4	S 48°30'36" E	19.97'
FP5	N 86°25'18" E	95.75'
FP6	S 85°44'01" E	38.60'
FP7	S 21°26'46" E	66.34'

**WETLAND TABLE**

LINE	BEARING	DISTANCE
W1	S 87°37'00" E	63.98'
W2	N 79°19'37" E	53.48'
W3	S 69°34'08" E	40.58'
W4	S 15°36'46" E	23.42'
W5	S 21°50'44" W	33.92'
W6	S 05°59'31" W	38.17'
W7	S 51°03'08" E	82.89'
W8	S 33°07'55" E	53.66'
W9	S 56°30'36" E	62.76'
W10	S 78°58'12" E	63.08'
W11	S 68°57'04" E	53.57'
W12	S 73°13'50" E	43.61'
W13	S 57°29'31" W	39.12'
W14	N 36°33'25" E	6.38'
W15	N 68°26'31" E	23.44'
W16	S 57°12'40" E	33.49'
W17	S 41°48'19" E	33.33'
W18	N 75°11'16" W	19.78'

**LINE TABLE**

LINE	BEARING	DISTANCE
L1	S 39°57'18" E	20.05'
L2	N 54°18'47" W	86.78'
L3	N 77°32'47" W	18.92'
L4	S 77°32'47" E	20.97'
L5	S 54°18'47" E	88.07'
L6	S 63°05'42" E	71.76'
L7	S 36°32'06" E	59.21'
L8	S 57°05'03" E	19.65'
L9	S 65°05'11" E	59.43'
L10	S 62°44'10" E	30.44'
L11	S 46°43'24" E	18.97'

**LEGEND**

- FOREST CONSERVATION EASEMENT
- PUBLIC 100 YEAR FLOODPLAIN, DRAINAGE AND UTILITY EASEMENT
- AREA OF NON-TIDAL WETLANDS

TAX MAP 47, PARCEL 872  
BALTIMORE GAS AND ELECTRIC CO.  
LIBER 594, FOLIO 119  
ZONED PEC

45' BOE SETBACK FOR CREDITED FOREST RETENTION AREAS

PUBLIC FOREST CONSERVATION EASEMENT "A"  
1.258 AC.± NON-CREDIT TOTAL  
0.299 AC.± RETENTION TOTAL  
0.678 AC.± REFORESTATION TOTAL  
2.220 AC.± TOTAL AREA

PUBLIC 100 YEAR FLOODPLAIN, DRAINAGE AND UTILITY EASEMENT  
1.669 AC.±

AREA OF NON-TIDAL WETLANDS  
0.027 AC.±

UNMITIGATED 65 dBA NOISE CONTOUR  
5-99-12

PUBLIC FOREST CONSERVATION EASEMENT "B"  
0.414 AC.± NON-CREDIT TOTAL  
0.084 AC.± RETENTION TOTAL  
1.234 AC.± REFORESTATION TOTAL  
0.438 AC.± THIS SHEET  
1.682 AC.± TOTAL AREA

PRIVATE 10' STORMWATER MANAGEMENT ACCESS EASEMENT

PARCEL A  
"FUTURE EMPLOYMENT USE"  
8.959 AC.± THIS SHEET  
33.588 AC.± TOTAL

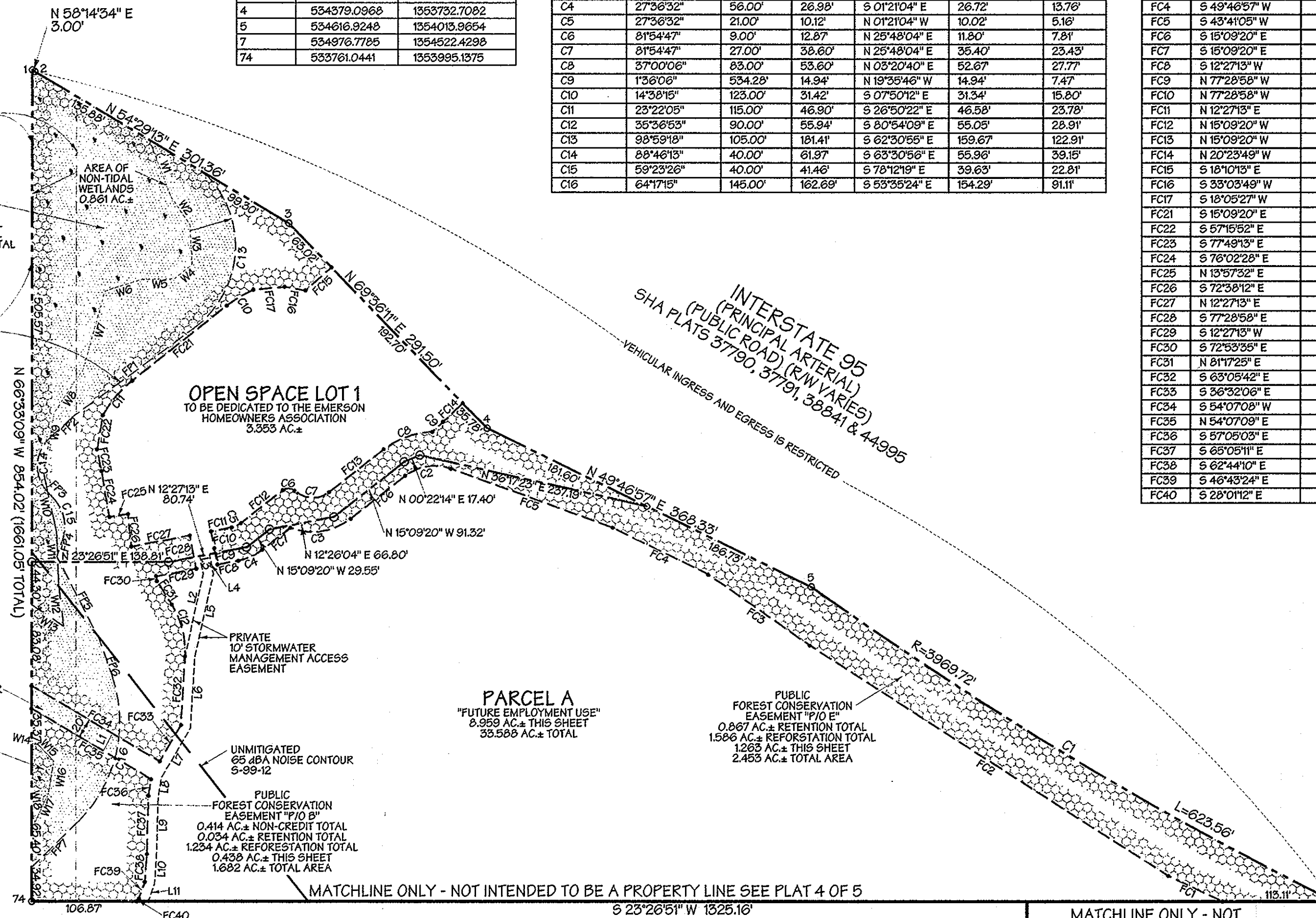
PUBLIC FOREST CONSERVATION EASEMENT "C"  
0.867 AC.± RETENTION TOTAL  
1.586 AC.± REFORESTATION TOTAL  
1.268 AC.± THIS SHEET  
2.453 AC.± TOTAL AREA

4-24-2012  
4-24-2012

Michael D. Martin, Professional Land Surveyor  
Maryland Registration No. 21234

The Howard Research and Development Corporation  
John E. DeWalt III, Vice President

The Howard Research and Development Corporation  
Peter F. Riley, Secretary



**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/DEVELOPER**  
THE HOWARD RESEARCH & DEVELOPMENT CORPORATION  
10275 LITTLE PATUXENT PARKWAY  
COLUMBIA, MD 21044  
PH: (410) 992-6084

**PROFESSIONAL CERTIFICATION**  
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED BY ME OR UNDER MY RESPONSIBLE CHARGE, AND THAT I AM A DULY LICENSED PROFESSIONAL LAND SURVEYOR UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 21234, EXPIRATION DATE 01/19/2013.

**OWNER'S DEDICATION**  
We, The Howard Research and Development Corporation, A Maryland Corporation by JOHN E. DEWALT III, V.P., and Jeffrey C. Palkovitz, Assistant Secretary, 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 24 day of April 2012  
The Howard Research and Development Corporation  
John E. DeWalt III, Vice President  
Peter F. Riley, Secretary

**SURVEYOR'S CERTIFICATE**  
I hereby certify that the final plat shown hereon is correct; that it is a Plat of subdivision of a portion of the land conveyed by THE HOWARD RESEARCH AND DEVELOPMENT CORPORATION to HRD LAND HOLDINGS, Inc. by deed dated December 18, 2000 and recorded in the land records of Howard County, Maryland, in Liber 5289, Folio 330 HRD Land Holdings, Inc. having thereafter changed its name to The Howard Research and Development Corporation by articles of Amendment filed with the Maryland Department of Assessment & Taxation on 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

PURPOSE NOTE:  
THE PURPOSE OF THIS PLAT IS TO CREATE PARCEL "A" FOR FUTURE DEVELOPMENT, CREATE OPEN SPACE LOTS 1 & 2, ESTABLISH FOREST CONSERVATION EASEMENTS, ESTABLISH STORMWATER MANAGEMENT FACILITIES, ESTABLISH SEWER & UTILITY EASEMENTS, AND THE EXTENSION OF ETERNAL RINGS DRIVE, INCLUDING TWO STREAM CROSSINGS.

RECORDED AS PLAT No. 21957 ON 6/15/12  
IN THE LAND RECORDS OF HOWARD COUNTY, MARYLAND

**EMERSON**  
SECTION 3, AREA 7  
PARCEL A, OPEN SPACE LOTS 1 & 2  
TAX MAP NO. 47, GRID 8, P/O PARCEL NO. 837  
ZONED: MXD-3  
SIXTH ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND  
APRIL 17, 2012

SCALE 1"=100'  
SHEET 2 OF 5

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

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

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

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

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HOWARD COUNTY HEALTH DEPARTMENT

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

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

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING



**TABULATION OF FINAL PLAT SHEET 3**

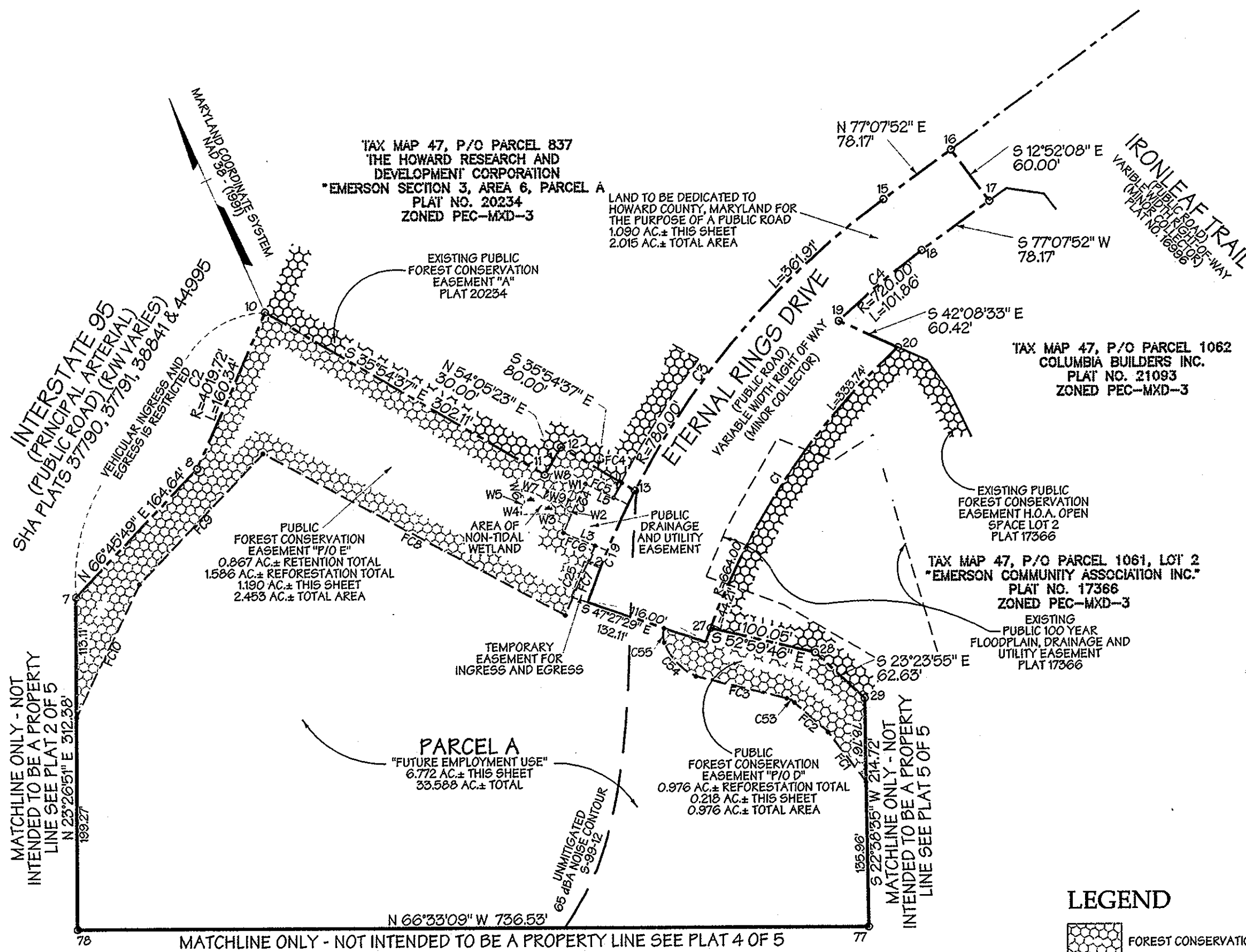
A. TOTAL NUMBER OF LOTS AND/OR PARCELS TO BE RECORDED BUILDABLE OPEN SPACE LOTS	F/01 F/01 0
B. TOTAL AREA OF LOTS AND/OR PARCELS BUILDABLE OPEN SPACE LOTS	6.772 AC± 6.772 AC± 0.000 AC±
C. TOTAL AREA OF ROADWAY AND HIGHWAY WIDENING TO BE RECORDED	1.170 AC±
D. TOTAL AREA OF SUBDIVISION TO BE RECORDED	7.862 AC±

**COORDINATE TABLE**

POINT	NORTH	EAST
7	534976.7785	1354522.4298
8	535041.7316	1354673.7105
10	535151.4439	1354790.8209
11	534906.7572	1354967.8114
12	534924.3527	1354992.1095
13	534859.5577	1355039.0309
15	535017.6926	1355360.9571
16	535035.1036	1355437.1680
17	534976.6107	1355450.5312
18	534959.1997	1355374.3203
19	534929.5752	1355276.9482
20	534884.7714	1355317.4919
27	534712.9880	1355051.7390
28	534652.7721	1355131.6371
29	534595.2880	1355156.5110
77	534397.1185	1355073.8461
78	534690.1920	1354398.1305

**CURVE TABLE**

CURVE	DELTA ANGLE	RADIUS	ARC LEN	CHORD BEARING	CHORD LENGTH	TANGENT
C1	28°47'53"	664.00'	333.74'	S 56°30'27" W	330.24'	170.47'
C2	02°17'07"	4019.72'	160.34'	N 46°49'09" E	160.33'	80.18'
C3	34°57'24"	780.00'	475.88'	N 59°39'10" E	468.54'	245.61'
C4	08°06'22"	720.00'	101.86'	N 78°04'41" E	101.78'	51.02'
C5	11°0'58"	664.00'	129.60'	S 65°18'54" W	129.39'	65.01'
C6	05°02'33"	664.00'	58.44'	N 44°37'47" E	58.42'	29.24'
C19	8°33'33"	780.00'	116.52'	N 46°18'02" E	116.41'	58.37'
C25	02°35'42"	780.00'	35.33'	N 43°28'19" E	35.32'	17.67'
C53	30°54'56"	15.54'	8.39'	N 36°37'01" W	8.28'	4.30'
C54	47°28'28"	83.84'	44.61'	N 19°07'52" W	43.25'	23.68'
C55	38°04'12"	21.80'	13.72'	N 22°38'27" E	13.50'	7.10'



**LINE TABLE**

LINE	BEARING	DISTANCE
L2	S 48°16'32" E	16.08'
L3	N 44°00'24" W	44.00'
L5	S 40°31'16" E	44.00'

**FOREST CONSERVATION TABLE**

LINE	BEARING	DISTANCE
FC1	N 13°17'45" W	58.48'
FC2	N 25°01'24" W	41.67'
FC3	N 52°37'22" W	87.13'
FC4	S 52°50'43" W	15.70'
FC5	N 42°04'20" W	29.84'
FC6	S 44°00'24" E	31.63'
FC7	S 46°31'10" W	7.10'
FC8	N 38°03'07" W	319.85'
FC9	S 66°45'49" W	167.70'
FC10	S 48°47'58" W	138.12'

**WETLAND TABLE**

LINE	BEARING	DISTANCE
W1	S 07°14'05" E	6.04'
W2	S 19°02'02" E	5.95'
W3	N 67°21'16" W	46.32'
W4	N 23°18'55" E	7.16'
W5	N 61°01'31" E	5.30'
W6	N 09°08'30" E	12.69'
W7	S 48°28'16" E	16.27'
W8	S 36°10'47" E	12.04'
W9	S 56°51'43" E	14.47'

**LEGEND**

- FOREST CONSERVATION EASEMENT
- AREA OF NON-TIDAL WETLANDS

The requirements 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* 5-1-12  
 Michael D. Martin, Professional Land Surveyor  
 Maryland Registration No. 21234 Date

*John E. DeWolf III* 4-24-2012  
 The Howard Research and Development Corporation  
 John E. DeWolf III, Vice President Date

*Peter F. Riley* 4-24-2012  
 The Howard Research and Development Corporation  
 Peter F. Riley, Secretary Date

**PROFESSIONAL CERTIFICATION**

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED BY ME OR UNDER MY RESPONSIBLE CHARGE, AND THAT I AM A DULY LICENSED PROFESSIONAL LAND SURVEYOR UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 21234, EXPIRATION DATE 01/19/2013.

**PURPOSE NOTE:**  
 THE PURPOSE OF THIS PLAT IS TO CREATE PARCEL "A" FOR FUTURE DEVELOPMENT, CREATE OPEN SPACE LOTS 1 & 2, ESTABLISH FOREST CONSERVATION EASEMENTS, ESTABLISH STORMWATER MANAGEMENT FACILITIES, ESTABLISH SEWER & UTILITY EASEMENTS, AND THE EXTENSION OF ETERNAL RINGS DRIVE, INCLUDING TWO STREAM CROSSINGS.

**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/DEVELOPER**  
 THE HOWARD RESEARCH & DEVELOPMENT CORPORATION  
 10275 LITTLE PATUXENT PARKWAY  
 COLUMBIA, MD 21044  
 RH: (410) 992-6084



APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT  
*Radison for Peter B. Silenon* 5/31/2012  
 Howard County Health Officer Date

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING  
*[Signature]* 5/17/12  
 Chief, Development Engineering Division Date

*Kate [Signature]* 6/11/12  
 Director Date

**OWNER'S DEDICATION**  
 We, The Howard Research and Development Corporation, a Maryland Corporation by **JOHN E. DEWOLF III, V.P.**, and Jeffrey C. Palkovitz, Assistant Secretary, 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 24 day of April 2012  
*John E. DeWolf III* 4-24-2012 Date  
 The Howard Research and Development Corporation  
 John E. DeWolf III, Vice President  
*Peter F. Riley* 4-24-2012 Date  
 The Howard Research and Development Corporation  
 Peter F. Riley, Secretary

**SURVEYOR'S CERTIFICATE**  
 I hereby certify that the final plat shown hereon is correct; that it is a Plat of subdivision of a portion of the land conveyed by THE HOWARD RESEARCH AND DEVELOPMENT CORPORATION to HRD LAND HOLDINGS, Inc. by deed dated December 18, 2000 and recorded in the land records of Howard County, Maryland, in Liber 5289, Folio 330 HRD Land Holdings, Inc. having thereafter changed its name to The Howard Research and Development Corporation by articles of Amendment filed with the Maryland Department of Assessment & Taxation on 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* 5-1-12  
 Michael D. Martin, Professional Land Surveyor  
 Maryland Registration No. 21234 Date

RECORDED AS PLAT No. 21958 ON 6/15/2012  
 IN THE LAND RECORDS OF HOWARD COUNTY, MARYLAND

**EMERSON**  
 SECTION 3, AREA 7  
 PARCEL A, OPEN SPACE LOTS 1 & 2  
 TAX MAP NO. 47, GRID B, P/O PARCEL NO. 837  
 ZONED: MXD-3  
 SIXTH ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND  
 APRIL 17, 2012

SCALE 1" = 100'  
 SHEET 3 OF 5

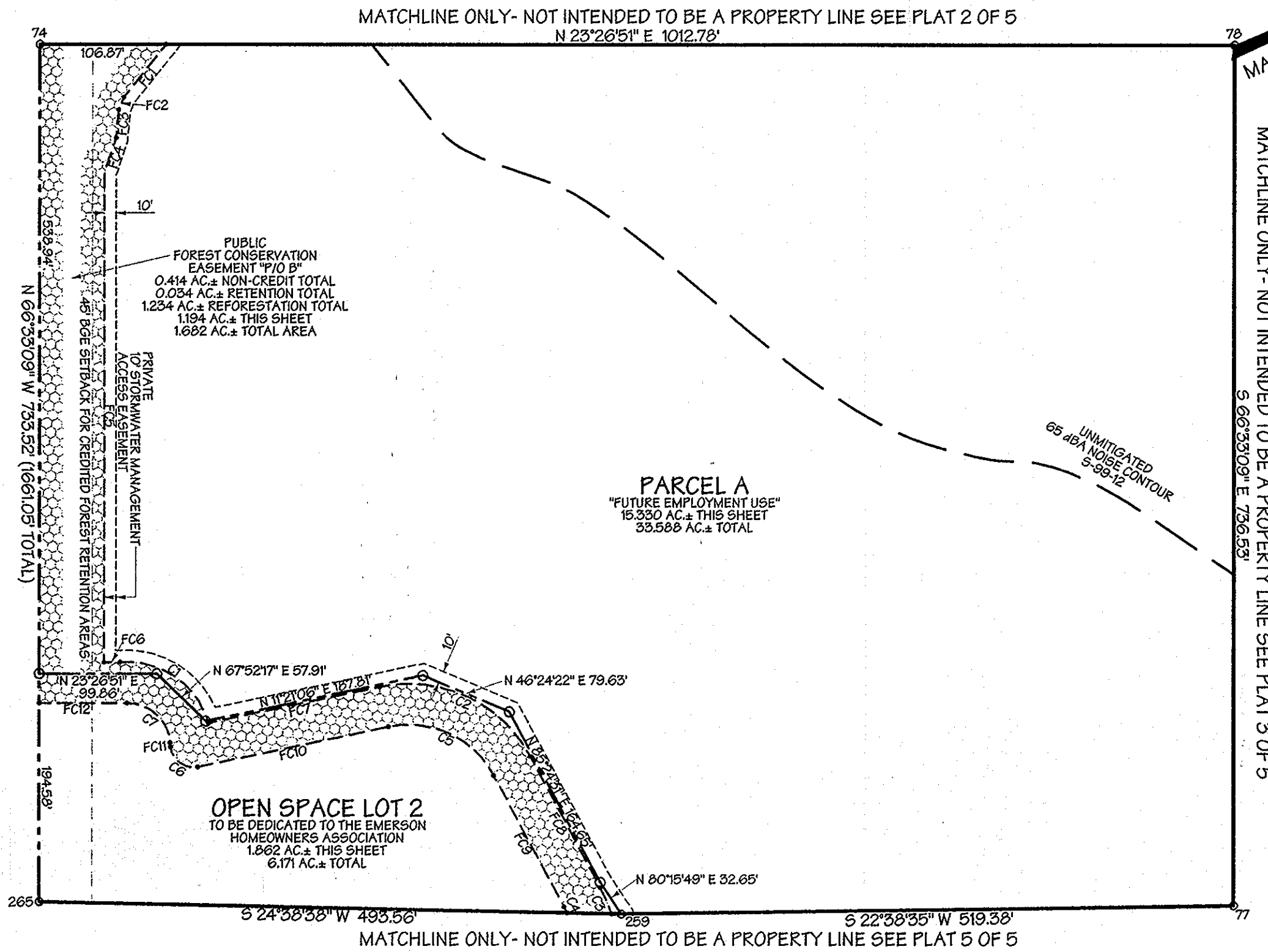
#95054.SY

TABULATION OF FINAL PLAT		SHEET 4
A. TOTAL NUMBER OF LOTS AND/OR PARCELS TO BE RECORDED	F/0 2	
BUILDABLE	F/0 1	
OPEN SPACE LOTS	F/0 1	
B. TOTAL AREA OF LOTS AND/OR PARCELS	17.192 AC.±	
BUILDABLE	15.330 AC.±	
OPEN SPACE LOTS	1.862 AC.±	
C. TOTAL AREA OF ROADWAY AND HIGHWAY WIDENING TO BE RECORDED	0.000 AC.±	
D. TOTAL AREA OF SUBDIVISION TO BE RECORDED	17.192 AC.±	

**LEGEND**



TAX MAP 47, PARCEL 872  
BALTIMORE GAS AND ELECTRIC CO.  
LIBER 594, FOLIO 119  
ZONED PEC



**COORDINATE TABLE**

POINT	NORTH	EAST
74	533761.0441	1353995.1375
77	534397.1185	1355073.8461
78	534690.1920	1354398.1305
259	533917.7710	1354873.8899
265	533469.1701	1354668.0874

**FOREST CONSERVATION TABLE**

LINE	BEARING	DISTANCE
FC1	S 28°01'12" E	57.49'
FC2	S 44°59'22" E	11.53'
FC3	S 61°22'53" E	24.32'
FC4	S 48°43'11" E	31.43'
FC5	S 66°33'09" E	419.13'
FC6	N 23°26'51" E	13.42'
FC7	N 11°21'08" E	14.813'
FC8	N 85°24'31" E	126.93'
FC9	S 85°24'31" W	126.93'
FC10	S 11°21'06" W	164.91'
FC11	N 71°15'51" W	3.57'
FC12	S 23°26'51" W	74.36'

**CURVE TABLE**

CURVE	DELTA ANGLE	RADIUS	ARC	CHORD BEARING	CHORD	TANGENT
C1	78°37'17"	72.00'	98.80'	N 58°02'47" E	91.23'	58.95'
C2	74°03'25"	117.00'	151.23'	N 48°22'48" E	140.92'	88.26'
C3	11°31'18"	121.00'	24.33'	S 88°49'50" E	24.23'	12.21'
C4	3°53'20"	86.00'	5.84'	S 87°21'11" W	5.84'	2.92'
C5	74°03'25"	82.00'	105.99'	S 48°22'48" W	98.76'	61.86'
C6	97°23'03"	19.00'	32.29'	S 60°02'37" W	28.54'	21.62'
C7	85°17'18"	37.00'	55.08'	S 66°05'30" W	50.13'	34.08'

The requirements 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* 9-1-12  
Michael D. Martin, Professional Land Surveyor  
Maryland Registration No. 21234

*John E. DeWolfe III* 4-24-2012  
The Howard Research and Development Corporation  
John E. DeWolfe III, Vice President

*Peter F. Riley* 4-24-2012  
The Howard Research and Development Corporation  
Peter F. Riley, Secretary

**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/DEVELOPER**  
THE HOWARD RESEARCH & DEVELOPMENT CORPORATION  
10275 LITTLE PATUXENT PARKWAY  
COLUMBIA, MD 21044  
PH: (410) 992-6084



**PROFESSIONAL CERTIFICATION**

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED BY ME OR UNDER MY RESPONSIBLE CHARGE, AND THAT I AM A DULY LICENSED PROFESSIONAL LAND SURVEYOR UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 21234, EXPIRATION DATE 01/19/2013.

**PURPOSE NOTE:**  
THE PURPOSE OF THIS PLAT IS TO CREATE PARCEL "A" FOR FUTURE DEVELOPMENT, CREATE OPEN SPACE LOTS 1 & 2, ESTABLISH FOREST CONSERVATION EASEMENTS, ESTABLISH STORMWATER MANAGEMENT FACILITIES, ESTABLISH SEWER & UTILITY EASEMENTS, AND THE EXTENSION OF ETERNAL RINGS DRIVE, INCLUDING TWO STREAM CROSSINGS.

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

*Peter Beilenson* 5/3/12  
Howard County Health Officer

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

*John E. DeWolfe III* 5/17/12  
Chief, Development Engineering Division

*Kathleen Hoffman* 4/11/12  
Director

**OWNER'S DEDICATION**

We, The Howard Research and Development Corporation, A Maryland Corporation by **JOHN E. DEWOLFE III, V.P.**, and Jeffrey C. Palkovitz, Assistant Secretary, 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 24 day of April 2012  
The Howard Research and Development Corporation 4-24-2012 Date  
John E. DeWolfe III, Vice President Witness

*Peter F. Riley* 4-24-2012 Date  
The Howard Research and Development Corporation 4-24-2012 Date  
Peter F. Riley, Secretary Witness

**SURVEYOR'S CERTIFICATE**

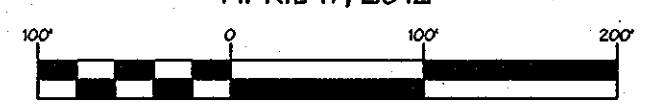
I hereby certify that the final plat shown hereon is correct; that it is a Plat of subdivision of a portion of the land conveyed by THE HOWARD RESEARCH AND DEVELOPMENT CORPORATION to HRD LAND HOLDINGS, Inc. by deed dated December 18, 2000 and recorded in the land records of Howard County, Maryland, in Liber 5289, Folio 330 HRD Land Holdings, Inc. having thereafter changed its name to The Howard Research and Development Corporation by articles of Amendment filed with the Maryland Department of Assessment & Taxation on 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* 9-1-12  
Michael D. Martin, Professional Land Surveyor  
Maryland Registration No. 21234

RECORDED AS PLAT No. **21959** ON **6/15/12**  
IN THE LAND RECORDS OF HOWARD COUNTY, MARYLAND

**EMERSON**

SECTION 3, AREA 7  
PARCEL A, OPEN SPACE LOTS 1 & 2  
TAX MAP NO. 47, GRID 8, F/0 PARCEL NO. 837  
ZONED: MXD-3  
SIXTH ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND  
APRIL 17, 2012



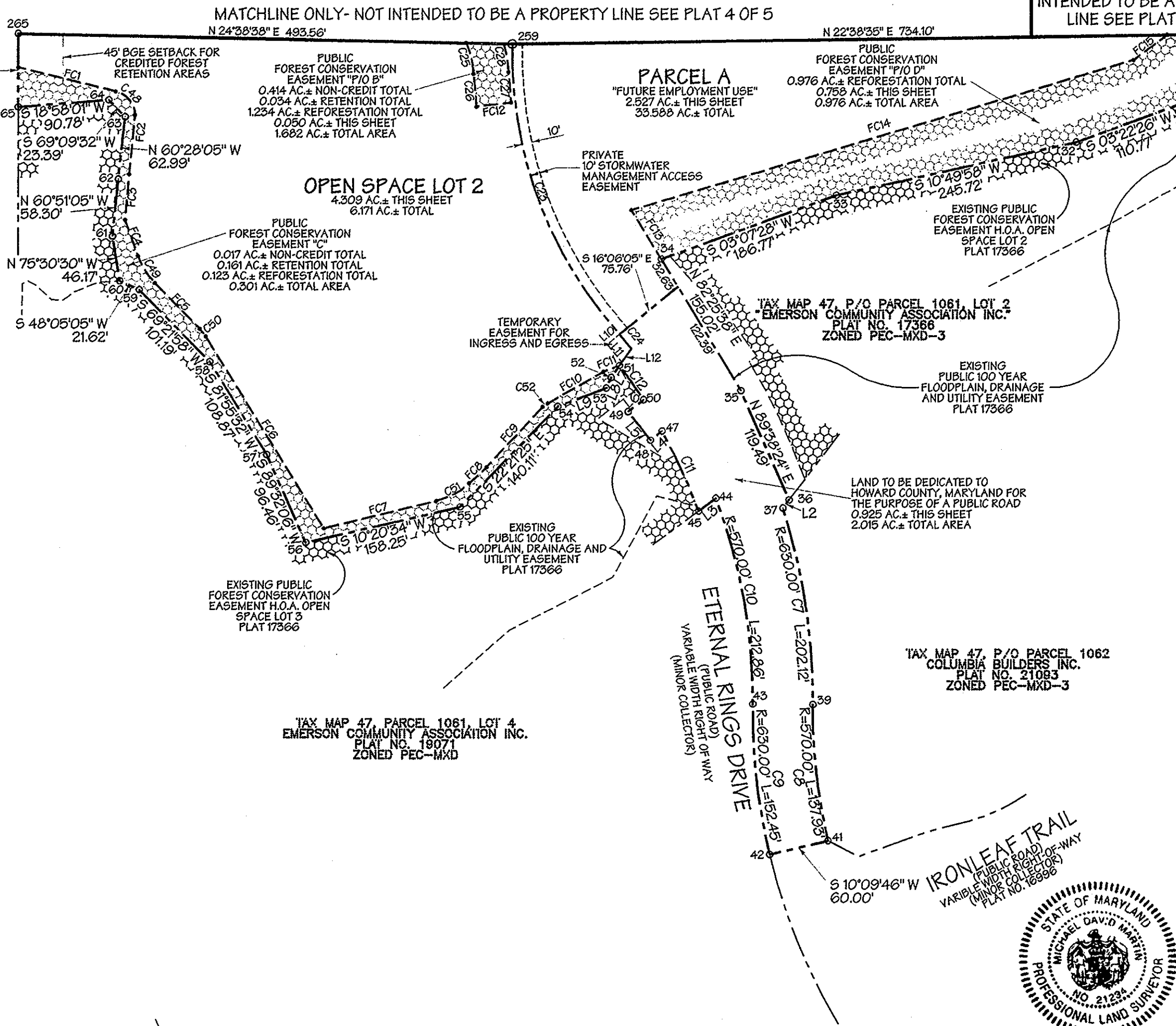
SCALE 1" = 100'  
SHEET 4 OF 5

#95054.SY



**TABULATION OF FINAL PLAT SHEET 5**

A. TOTAL NUMBER OF LOTS AND/OR PARCELS TO BE RECORDED BUILDABLE	1
OPEN SPACE LOTS	P/O 1
B. TOTAL AREA OF LOTS AND/OR PARCELS BUILDABLE	6.836 AC.±
OPEN SPACE LOTS	2.527 AC.±
	4.309 AC.±
C. TOTAL AREA OF ROADWAY AND HIGHWAY WIDENING TO BE RECORDED	0.925 AC.±
D. TOTAL AREA OF SUBDIVISION TO BE RECORDED	7.761 AC.±



**COORDINATE TABLE**

POINT	NORTH	EAST
29	534595.2890	1355156.5110
30	534534.5531	1355191.3354
31	534507.0883	1355195.1193
32	534386.5128	1355188.6006
33	534155.1695	1355142.4187
34	533968.6820	1355132.2390
35	533989.1120	1355285.9090
36	533989.8627	1355405.3945
37	533980.9104	1355410.4499
39	533929.3764	1355604.9949
41	533888.9286	1355736.5114
42	533829.8700	1355725.9246
43	533874.5754	1355880.5642
44	533923.3653	1355374.6416
46	533902.4410	1355379.5141
47	533900.6744	1355291.2889
48	533886.2976	1355295.0822
49	533877.1255	1355260.1239
50	533895.8754	1355255.4681
51	533887.4122	1355214.5681
52	533875.0812	1355222.1556
53	533866.4303	1355229.8625
54	533814.5238	1355227.4485
55	533884.9438	1355280.7437
56	533829.2650	1355252.3323
57	533828.4820	1355155.8803
58	533813.1900	1355048.0903
59	533477.5320	1354953.3933
60	533463.0920	1354937.3083
61	533474.6455	1354992.6077
62	533503.0427	1354841.6895
63	533534.0891	1354786.8862
64	533525.7680	1354765.0281
65	533439.9213	1354735.5240
259	533917.7710	1354873.8839
265	533469.1701	1354668.0874

**FOREST CONSERVATION TABLE**

FCI	BEARING	DISTANCE
FC1	N 37°15'10" E	100.41'
FC2	S 60°51'40" E	59.75'
FC3	S 61°44'45" E	46.35'
FC4	S 85°47'32" E	39.12'
FC5	N 69°22'35" E	64.52'
FC6	N 81°55'32" E	225.32'
FC7	N 09°38'22" E	115.52'
FC8	N 19°22'46" W	23.75'
FC9	N 25°33'53" W	82.15'
FC10	N 06°06'49" W	64.14'
FC11	N 03°08'27" E	17.14'
FC12	N 16°42'48" E	35.00'
FC13	S 82°25'38" W	58.13'
FC14	N 06°42'54" E	524.10'
FC15	N 13°17'45" W	42.20'

**LINE TABLE**

LINE	BEARING	DISTANCE
L1	S 07°50'40" E	27.72'
L2	S 29°27'14" E	10.28'
L3	S 13°06'31" E	21.48'
L4	S 14°47'50" E	14.87'
L5	S 75°17'54" W	36.14'
L6	N 13°56'42" W	19.32'
L7	S 31°36'54" E	11.59'
L8	S 41°43'09" E	11.59'
L9	S 02°40'10" W	51.93'
L10	S 16°06'05" E	15.93'
L11	N 74°41'12" E	23.16'
L12	S 31°36'54" E	20.94'

**CURVE TABLE**

C7	18°22'55"	630.00'	202.12'	S 75°09'48" E	201.25'	101.94'
C8	13°51'53"	570.00'	137.93'	N 72°54'17" W	137.60'	69.30'
C9	13°51'53"	630.00'	162.45'	N 72°54'17" W	162.08'	76.60'
C10	21°23'47"	570.00'	212.86'	S 76°40'14" E	211.62'	107.68'
C11	09°12'10"	550.00'	88.34'	S 88°51'10" W	88.25'	44.27'
C12	04°21'08"	550.00'	41.78'	S 78°18'36" W	41.77'	20.90'
C23	41°43'53"	430.00'	313.19'	N 86°22'09" W	306.31'	163.91'
C24	02°30'34"	570.00'	24.97'	S 74°01'12" W	24.96'	12.48'
C25	21°25'43"	86.00'	32.16'	N 79°59'17" W	31.93'	16.27'
C26	04°00'46"	469.00'	32.85'	N 71°16'49" W	32.84'	16.43'
C27	04°00'46"	434.00'	30.40'	S 71°16'49" E	30.39'	15.20'
C28	13°47'48"	121.00'	29.13'	S 76°10'19" E	29.06'	14.84'
C48	76°19'48"	24.74'	32.95'	N 74°13'45" E	30.57'	19.44'
C49	24°49'53"	75.00'	32.50'	N 81°47'31" E	32.25'	16.51'
C50	12°32'56"	45.00'	9.86'	N 75°39'08" E	9.84'	4.89'
C51	29°01'07"	75.00'	37.99'	N 04°52'13" W	37.58'	19.41'
C52	12°17'27"	29.00'	6.22'	N 12°15'24" W	6.21'	3.12'

**LEGEND**

FOREST CONSERVATION EASEMENT

The requirements Section 3-10B, The Real Property Article, Annotated Code of Maryland, 1998 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* 5-1-12  
 Michael D. Martin, Professional Land Surveyor  
 Maryland Registration No. 21234

*John E. DeWolf III* 4-24-2012  
 The Howard Research and Development Corporation  
 John E. DeWolf III, Vice President

*Peter F. Riley* 4-24-2012  
 The Howard Research and Development Corporation  
 Peter F. Riley, Secretary

**DMW**

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 10275 LITTLE PATUXENT PARKWAY  
 COLUMBIA, MD 21044  
 PH: (410) 992-6084

**PROFESSIONAL CERTIFICATION**  
 I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED BY ME OR UNDER MY RESPONSIBLE CHARGE, AND THAT I AM A DULY LICENSED PROFESSIONAL LAND SURVEYOR UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 21234, EXPIRATION DATE 01/19/2013.

**PURPOSE NOTE:**  
 THE PURPOSE OF THIS PLAT IS TO CREATE PARCEL "A" FOR FUTURE DEVELOPMENT, CREATE OPEN SPACE LOTS 1 & 2, ESTABLISH FOREST CONSERVATION EASEMENTS, ESTABLISH STORMWATER MANAGEMENT FACILITIES, ESTABLISH SEWER & UTILITY EASEMENTS, AND THE EXTENSION OF ETERNAL RINGS DRIVE, INCLUDING TWO STREAM CROSSINGS.

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

*Robert B. Beilenson* 5/31/2012  
 Howard County Health Officer

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING  
*[Signature]* 5/17/12  
 Chief, Development Engineering Division

*Keith Sheindel* 6/11/12  
 Director

**OWNER'S DEDICATION**

We, The Howard Research and Development Corporation, A Maryland Corporation by **JOHN E. DEWOLF III, V.P.**, and Jeffrey C. Palkovitz, Assistant Secretary, 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 24 day of April, 2012  
 The Howard Research and Development Corporation 4-24-2012  
 John E. DeWolf III, Vice President  
 Peter F. Riley, Secretary 4-24-2012

**SURVEYOR'S CERTIFICATE**

I hereby certify that the final plat shown hereon is correct; that it is a Plat of subdivision of a portion of the land conveyed by THE HOWARD RESEARCH AND DEVELOPMENT CORPORATION to HRD LAND HOLDINGS, Inc. by deed dated December 13, 2000 and recorded in the land records of Howard County, Maryland, in Liber 5289, Folio 330 HRD Land Holdings, Inc. having thereafter changed its name to The Howard Research and Development Corporation by articles of Amendment filed with the Maryland Department of Assessment & Taxation on 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* 5-1-12  
 Michael D. Martin, Professional Land Surveyor  
 Maryland Registration No. 21234

RECORDED AS PLAT No. 21960 ON 6/15/12  
 IN THE LAND RECORDS OF HOWARD COUNTY, MARYLAND

**EMERSON**

SECTION 3, AREA 7  
 PARCEL A, OPEN SPACE LOTS 1 & 2  
 TAX MAP NO. 47, GRID B, P/O PARCEL NO. 837  
 ZONED: MXD-3  
 SIXTH ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND  
 APRIL 17, 2012

SCALE 1" = 100'  
 SHEET 5 OF 5