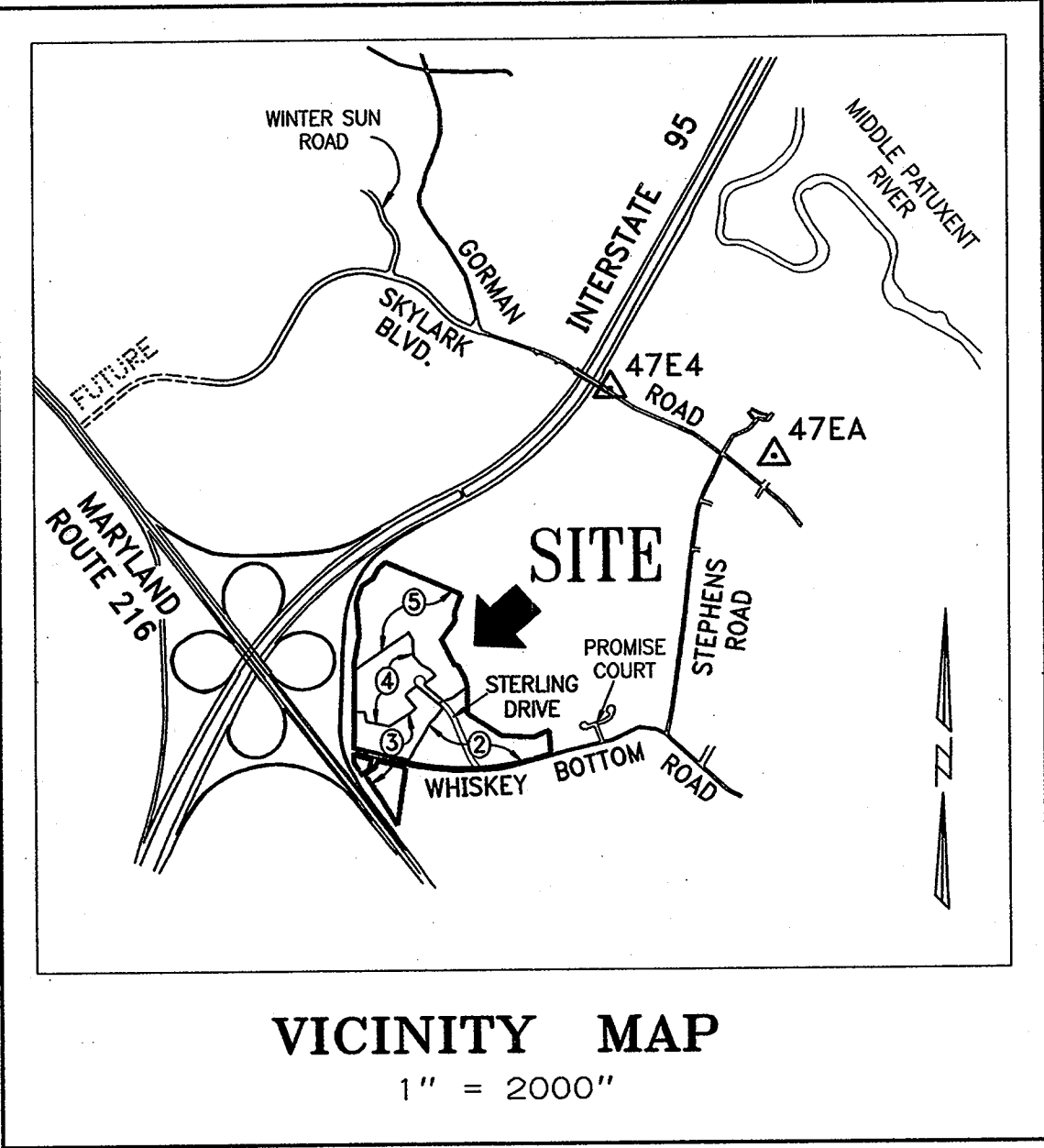


Coordinate Table								
Name	North	East	Name	North	East	Name	North	East
725	533849.54	1352861.25	3285	531590.49	1352701.43	LC114	532354.36	1353106.13
733	530835.77	1352993.36	3286	531639.26	1352502.68	LC115	532315.31	1353093.28
734	531495.30	1353089.41	3300	531549.64	1353123.74	LC116	532180.32	1353205.18
1472	532425.81	1353319.46	3301	531614.05	1354614.66	LC117	532139.62	1353161.09
1479	531998.59	1353628.41	CA42	533279.41	1353647.71	LC118	531974.07	1352904.25
1713	531921.49	1354710.77	CA43	533166.76	1353645.21	LC119	532025.09	1352649.16
1717	533476.02	1353722.44	CA44	532956.46	1353495.79	LC120	532134.93	1352625.48
1905	532675.66	1353263.17	CA45	532670.28	1353641.52	LC121	532138.43	1352589.78
3174	533780.33	1352782.90	CA46	532658.51	1353687.93	LC122	532140.78	1352508.54
3175	533661.01	1352719.69	CA47	532521.75	1353759.00	LC123	532179.92	1353511.93
3176	533575.02	1352592.40	CA48	532418.50	1353787.29	LC124	532056.26	1353418.21
3177	533396.84	1352532.29	CA49	532110.23	1353787.17	LC125	532026.18	1353381.51
3178	533201.95	1352548.49	CA50	531857.69	1354179.04	LC126	531754.83	1353219.43
3179	533007.80	1352562.98	CA51	531841.06	1354541.55	LC127	531570.38	1353119.15
3180	532708.98	1352507.14	FP96	532221.70	1353467.63	LC128	532234.58	1353542.34
3181	532005.76	1352508.87	FP97	532257.10	1353518.36	LC129	532295.90	1353624.67
3209	531555.59	1352502.20	LC103	532618.15	1352507.36	LC141	531651.07	1354730.78
3210	531419.76	1352594.95	LC105	533042.25	1353122.44	RW27	531654.30	1353766.25
3220	531493.18	1352736.78	LC106	532963.00	1353170.80	RW28	531482.18	1353869.63
3221	531480.96	1352680.39	LC107	532775.37	1353179.77	RW29	531486.46	1353946.87
3228	531415.20	1352628.40	LC108	532632.95	1353339.78	RW30	532439.81	1353210.09
3229	53138.20	1352814.76	LC109	532587.37	1353393.99	RW31	532467.58	1353307.56
3279	531568.14	1353128.28	LC110	532548.41	1353424.49	RW33	532267.48	1353506.41
3283	531721.14	1352504.66	LC111	532459.27	1353305.84	RW34	532020.89	1353684.11
3284	531572.62	1352774.29	LC113	532436.97	1353213.44	RW35	531676.60	1353821.96
						RW36	531494.33	1353939.35

EMERSON

Section 3, Area 1



OWNER/DEVELOPER
 THE HOWARD RESEARCH AND DEVELOPMENT CORPORATION
 10275 Little Patuxent Parkway
 Columbia, Md. 21044
 (410) 992-6084
 ATTN: Joseph H. Necker, Jr.

SURVEYOR
 DAFT-McCUNE-WALKER, INC.
 200 East Pennsylvania Avenue
 Towson, Md. 21286
 (410) 296-3333
 ATTN: Anthony J. Vitti

OPEN SPACE DATA	
NUMBER OF OPEN SPACE LOTS/PARCELS PROPOSED	6
OPEN SPACE REQUIRED (35% OF SITE ACREAGE)	24.604 Ac.±
OPEN SPACE PROVIDED	47.477 CREDITED Ac.± (68%)
EXCESS OPEN SPACE AVAILABLE FOR CREDIT IN OTHER PHASES	22.873 Ac.±
NO RECREATIONAL OPEN SPACE IS REQUIRED FOR THE EMERSON, SECTION 3, AREA 1 DEVELOPMENT.	



General Notes (continued)

- Under this phase, 26.94± acres of forest clearing and 23.94± acres of retention are proposed, which generates no reforestation requirement when evaluated cumulatively with previous phases of the Emerson Project. Cumulative forest clearing for this and previous phases of the Emerson Development totals 39.47 Ac.±, cumulative retention totals 45.83 Ac.±, and reforestation provided totals 5.03 Ac.±. See tracking chart on approved Forest Conservation Plan for details.
- As a result of the Preliminary Plan being submitted to the County for review prior to 11/15/01, this subdivision is subject to compliance with the Fourth Edition of the Subdivision and Land Development Regulations. In addition, because this plan did not obtain signature approval prior to 11/01/01, it is subject to compliance with County Council Bill 50-2001 which amends the Zoning Regulations, and the amended Zoning Regulations which became effective on 01/08/02.
- Open Space areas may contain active recreation facilities as allowed in the approved Development Criteria.
- Stream buffers are determined by land use adjoining the Open Space. Employment Use = 50' buffer from any stream. Residential Uses = 50' buffer for intermittent streams and 75' buffer for perennial streams.
- 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 for 516 acres of land re-zoned as PEC-MXD-3 and R-SC-MXD-3.
- All development parcels may be resubdivided for employment uses, in accordance with the approved Comprehensive Sketch Plan (S-99-12) and Development Criteria.
- Development for this Phase will be done in accordance with the Development Criteria approved with Comprehensive Sketch Plan S-99-12 (PB-339).
- Proposed Use of Site of Structures: Employment and Open Space.
- A Portion of Whiskey Bottom Road (See Sheet 2 of 5) will be abandoned in accordance with Howard County Council Resolution No. 121-2002, adopted July 29, 2002.

TABULATION OF FINAL PLAT - ALL SHEETS

TOTAL NUMBER OF LOTS/PARCELS TO BE RECORDED	9
BUILDABLE (EMPLOYMENT)	3
OPEN SPACE	6
TOTAL AREA OF PROPOSED PUBLIC ROADS	1.881 Ac.±
TOTAL AREA OF LOTS/PARCELS BUILDABLE (3 - EMPLOYMENT)	67.622 Ac.±
OPEN SPACE (6)	20.145 Ac.±
PROPERTY OWNERS' ASSOCIATION (2)	4.144 Ac.±
RECREATION AND PARKS (4)	43.333 Ac.±
TOTAL AREA OF SUBDIVISION	69.503 Ac.±
(TOTAL AREA INCLUDES 17.19 Ac. OF 100 YEAR FLOODPLAIN AND APPROXIMATELY 0.19 Ac.± OF STEEP SLOPE AREAS)	

LEGEND (ALL SHEETS)

- CONCRETE MONUMENT (TO BE SET)
- IRON PIN AND CAP (TO BE SET)
- SWM - SWM EASEMENT
- WET - WETLAND
- WBF - WETLAND BUFFER
- FP - 100-YEAR FLOOD PLAIN
- SBL - STREAM BUFFER
- FCE - FOREST CONSERVATION EASEMENT (FCE IS ALSO HATCHED)

NOTE: SOME BUFFER LINES AND/OR FOREST CONSERVATION LIMITS MAY BE COINCIDENT

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, IN CONFORMANCE WITH THE MASTER PLAN OF WATER AND SEWERAGE FOR HOWARD COUNTY

Ray Brantley 2-14-03
 Howard County Health Officer Date

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

Mark J. Leavelle 2/10/03
 Chief, Development Engineering Division Date

Mark J. Leavelle 2/25/03
 Director (Acting) Date

OWNER'S DEDICATION

We, the Howard Research And Development Corporation, a Maryland Corporation, by Joseph H. Necker Jr., Vice-President and Cynthia L. Stewart, Assistant Secretary, owners of the 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,

- The right to lay, construct, and maintain sewers, drains, water pipes, and other municipal utilities and services, in and under all roads and street right-of-ways 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; and
- 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 right-of-ways.

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.

Witness our hands this 20 day of January 2003.
Joseph H. Necker Jr. 1/20/03 Date
 Joseph H. Necker Jr., Vice President
 The Howard Research And Development Corporation

Cynthia L. Stewart 1/20/03 Date
 Cynthia L. Stewart, Assistant Secretary
 The Howard Research And Development Corporation

SURVEYOR'S CERTIFICATE

I hereby certify that the final plat shown hereon is correct, that it is a subdivision of part of the lands conveyed by The Howard Research and Development Corporation to HRD Land Holdings, Inc. by deed dated December 18, 2000 and recorded among 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 dated January 5, 2001, and that all monuments are in place or will be in place prior to acceptance of the streets in the subdivision by Howard County as shown. The requirements of Section 3-108, The Real Property Article, of the 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.

Anthony J. Vitti 1/20/03 Date
 Anthony J. Vitti
 Professional Land Surveyor
 Maryland Registration No. 10951

DMW
 Daft • McCune • Walker, Inc.
 A Team of Land Planners, Landscape Architects, Engineers, Surveyors & Environmental Professionals
 200 East Pennsylvania Avenue
 Towson, Maryland 21286
 410 296 3333
 Fax 296 4705

RECORDED AS PLAT No. 15826
 ON Mar 3, 2003 IN THE
 LAND RECORDS OF HOWARD COUNTY, MD.

EMERSON
 Section 3, Area 1
 Parcels A Through C and
 Open Space Parcels D through I

SHEET 1 OF 5
 ZONING: PEC-MXD-3
 TAX MAP 47 P/O PARCEL 837
 6TH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 SCALE: AS SHOWN JANUARY 16, 2003

LINE TABLE

Name	Bearing	Distance
L201	N 43°44'45" W	10.89'
L202	N 38°21'35" W	51.92'
L203	N 79°52'12" W	59.04'
L204	N 07°21'49" W	52.80'
L205	N 44°32'56" W	57.04'
L206	N 79°18'02" W	44.11'
L207	N 43°25'00" E	24.13'
L208	N 01°50'58" W	46.90'

FOREST CONSERVATION EASEMENT LINE TABLE

Name	Bearing	Distance
FC201	N 06°08'41" W	41.07'
FC202	S 60°19'08" E	48.01'
FC203	S 19°57'07" W	23.70'

Note: Some Forest Conservation Easement limits are coincident with limits of project boundary and/or Public 100 Year Floodplain, Drainage & Utility Easement.

100 YEAR FLOOD PLAIN DRAINAGE & UTILITY EASEMENT LINE TABLE

Name	Bearing	Distance
FP201	N 78°06'41" E	12.05'
FP202	S 64°13'11" E	14.68'
FP203	S 48°28'31" E	15.74'
FP204	S 69°28'16" E	9.71'
FP205	N 84°26'34" E	16.90'
FP206	N 59°05'24" E	14.52'
FP207	N 86°47'38" E	27.25'
FP208	S 82°06'26" E	27.26'
FP209	S 67°21'25" E	33.80'
FP210	S 55°41'34" E	65.04'
FP211	N 74°40'43" E	26.98'
FP212	N 81°28'01" E	28.83'
FP213	S 78°54'04" E	37.96'
FP214	N 80°19'53" E	37.14'
FP215	S 88°11'46" E	45.29'
FP216	N 77°55'30" E	31.52'
FP217	N 47°24'21" E	15.01'
FP218	N 14°28'46" W	15.34'
FP219	N 33°12'10" E	40.68'
FP220	N 62°53'26" E	39.64'
FP221	N 79°53'27" E	46.71'
FP222	S 81°38'45" E	45.39'
FP223	N 29°01'14" E	32.14'
FP224	N 79°56'34" E	25.52'
FP225	S 75°00'01" E	32.13'

(FP) Denotes Coincident Line of Flood Plain and Lot Line.

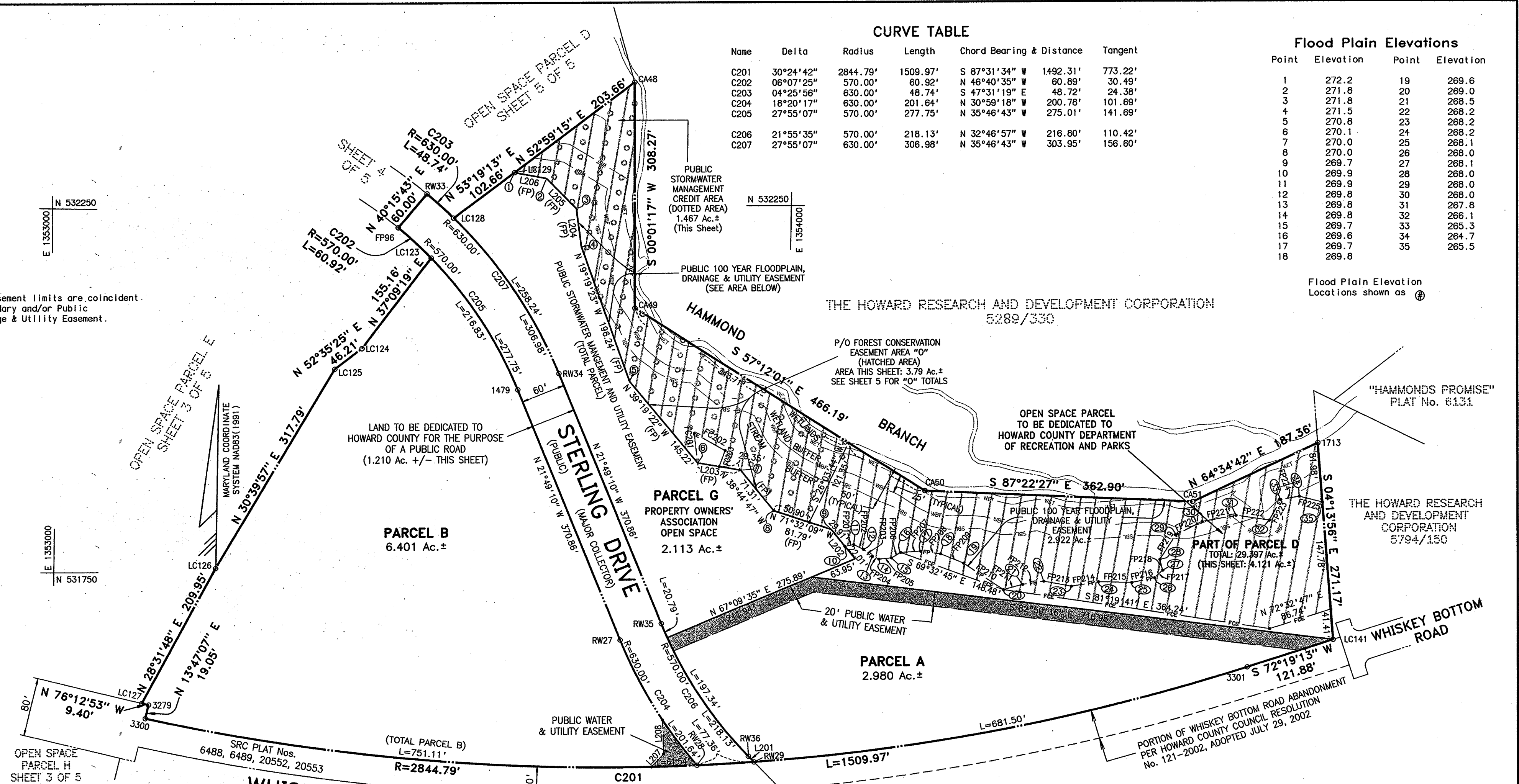
CURVE TABLE

Name	Delta	Radius	Length	Chord Bearing & Distance	Tangent
C201	30°24'42"	2844.79'	1509.97'	S 87°31'34" W 1492.31'	773.22'
C202	06°07'25"	570.00'	60.92'	N 46°40'35" W 60.89'	30.49'
C203	04°25'56"	630.00'	48.74'	S 47°31'19" E 48.72'	24.38'
C204	18°20'17"	630.00'	201.64'	N 30°59'18" W 200.78'	101.69'
C205	27°55'07"	570.00'	277.75'	N 35°46'43" W 275.01'	141.69'
C206	21°55'35"	570.00'	218.13'	N 32°46'57" W 216.80'	110.42'
C207	27°55'07"	630.00'	306.98'	N 35°46'43" W 303.95'	156.60'

Flood Plain Elevations

Point	Elevation	Point	Elevation
1	272.2	19	269.6
2	271.8	20	269.0
3	271.8	21	268.5
4	271.5	22	268.2
5	270.8	23	268.2
6	270.1	24	268.2
7	270.0	25	268.1
8	270.0	26	268.0
9	269.7	27	268.1
10	269.9	28	268.0
11	269.9	29	268.0
12	269.8	30	268.0
13	269.8	31	267.8
14	269.8	32	266.1
15	269.7	33	265.3
16	269.6	34	264.7
17	269.7	35	265.5
18	269.8		

Flood Plain Elevation Locations shown as (FP)



TABULATION OF FINAL PLAT - THIS SHEET

TOTAL NUMBER OF LOTS/PARCELS TO BE RECORDED	4
BUILDABLE (EMPLOYMENT)	2
OPEN SPACE	2
TOTAL AREA OF PROPOSED PUBLIC ROAD	1,210 Ac.±
TOTAL AREA OF LOTS/PARCELS BUILDABLE (2 - EMPLOYMENT)	15.615 Ac.±
TOTAL AREA OF LOTS/PARCELS BUILDABLE (2 - EMPLOYMENT)	9.381 Ac.±
OPEN SPACE (1 + p/o 1)	
PROPERTY OWNERS' ASSOCIATION (1)	2.113 Ac.±
RECREATION AND PARKS (p/o 1)	4.121 Ac.±
TOTAL AREA OF THIS SHEET	16.825 Ac.±

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, IN CONFORMANCE WITH THE MASTER PLAN OF WATER AND SEWERAGE FOR HOWARD COUNTY

Sean Banta 2-14-03
Howard County Health Officer Date

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

Chad Danner 2/10/03
Chief, Development Engineering Division Date

Director *HB* Date

WHISKEY BOTTOM ROAD

OPEN SPACE PARCEL M PLAT OF "REVITZ PROPERTY"

OWNER/DEVELOPER
THE HOWARD RESEARCH AND DEVELOPMENT CORPORATION
10275 Little Patuxent Parkway
Columbia, Md. 21044
(410) 992-6084
ATTN: Joseph H. Necker, Jr.

SURVEYOR
DAFT-McCUNE-WALKER, INC.
200 East Pennsylvania Avenue
Towson, Md. 21286
(410) 296-3333
ATTN: Anthony J. Vitti



OWNER'S DEDICATION

We, The Howard Research And Development Corporation, a Maryland Corporation, by Joseph H. Necker Jr., Vice-President and Cynthia L. Stewart, Assistant Secretary, owners of the 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 all roads and street right-of-ways 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; and
- (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 right-of-ways.

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.

Witness our hands this 20 day of January 2003.
Joseph H. Necker Jr. 1/20/03 Date
 Joseph H. Necker Jr., Vice President
 The Howard Research And Development Corporation
Cynthia L. Stewart 1/20/03 Date
 Cynthia L. Stewart, Assistant Secretary
 The Howard Research And Development Corporation

SURVEYOR'S CERTIFICATE

I hereby certify that the final plat shown hereon is correct, that it is a subdivision of part of the lands conveyed by The Howard Research and Development Corporation to HRD Land Holdings, Inc. by deed dated December 18, 2000 and recorded among 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 dated January 5, 2001, and that all monuments are in place or will be in place prior to acceptance of the streets in the subdivision by Howard County as shown. The requirements of Section 3-108, The Real Property Article, of the 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.

Anthony J. Vitti 1/20/03 Date
 Anthony J. Vitti
 Professional Land Surveyor
 Maryland Registration No. 10951

RECORDED AS PLAT No. 15829
 ON Mar. 3, 2003 IN THE
 LAND RECORDS OF HOWARD COUNTY, MD.

EMERSON
 Section 3, Area 1
 Parcels A Through C and
 Open Space Parcels D Through I

SHEET 2 OF 5
 ZONING: PEC-MXD-3
 TAX MAP 47 GRID 14 P/O PARCEL 837
 6TH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 SCALE: 1" = 100' JANUARY 16, 2003

FOREST CONSERVATION EASEMENT LINE TABLE

Name	Bearing	Distance
FC302	S 65°04'14" E	27.68'
FC303	S 07°38'33" W	63.35'
FC304	S 40°09'47" E	55.22'
FC305	S 27°03'32" E	24.68'
FC306	N 72°14'59" E	54.52'
FC307	N 87°00'12" E	100.14'
FC314	N 41°32'12" E	15.54'
FC315	N 18°24'43" E	27.90'
FC316	N 38°22'48" E	8.96'
FC317	N 54°30'13" E	16.76'
FC318	S 35°29'47" E	20.00'
FC319	S 54°30'13" W	11.68'
FC321	S 40°15'43" W	110.00'
FC322	S 49°44'17" E	35.00'
FC323	N 40°15'43" E	110.00'
FC325	N 26°51'56" W	38.53'
FC326	N 59°38'11" W	41.85'
FC327	S 62°29'14" W	41.46'
FC328	S 40°25'35" W	15.45'
FC329	S 48°50'08" E	48.43'
FC330	S 35°43'42" E	36.08'
FC331	N 13°48'17" E	28.93'
FC332	N 17°22'07" E	16.28'
FC333	N 47°10'35" E	58.51'
FC334	N 63°12'28" E	37.27'
FC335	S 37°41'48" E	17.03'

CURVE TABLE

Name	Delta	Radius	Length	Chord Bearing & Distance	Tangent
C301	72°42'47"	25.00'	31.73'	S 28°42'50" E 29.64'	18.40'
C302	13°06'15"	25.00'	5.72'	S 33°36'40" E 5.71'	2.87'
C303	14°45'13"	25.00'	6.44'	N 79°37'36" E 6.42'	3.24'
C305	41°07'11"	25.00'	17.94'	N 38°58'18" E 17.56'	9.38'
C306	08°46'03"	710.00'	108.65'	S 10°41'48" W 108.54'	54.43'

TABULATION OF FINAL PLAT - THIS SHEET

TOTAL NUMBER OF LOTS/PARCELS TO BE RECORDED	3
BUILDABLE (EMPLOYMENT)	0
OPEN SPACE	3
TOTAL AREA OF PROPOSED PUBLIC ROADS	0.000 Ac.±
TOTAL AREA OF LOTS/PARCELS BUILDABLE (EMPLOYMENT)	13.936 Ac.±
OPEN SPACE (3)	0.000 Ac.±
PROPERTY OWNERS' ASSOCIATION	0.000 Ac.±
RECREATION AND PARKS (3)	13.936 Ac.±
TOTAL AREA OF THIS SHEET	13.936 Ac.±

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, IN CONFORMANCE WITH THE MASTER PLAN OF WATER AND SEWERAGE FOR HOWARD COUNTY

Perry Boreas *MD 54* *2-14-03*
Howard County Health Officer Date

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

Mike Daneman *2/10/03*
Chief, Development Engineering Division Date

Frank A. Lopez *2/25/03*
Director Date

OWNER'S DEDICATION
We, The Howard Research And Development Corporation, a Maryland Corporation, by Joseph H. Necker Jr., Vice-President and Cynthia L. Stewart, Assistant Secretary, owners of the 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,

- The right to lay, construct, and maintain sewers, drains, water pipes, and other municipal utilities and services, in and under all roads and street right-of-ways 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; and
- The right to require dedication of waterways and drainage easements for 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 right-of-ways.

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.

Witness our hands this 20 day of January 2003.
Joseph H. Necker Jr. *1/20/03* Date
Joseph H. Necker Jr., Vice President
The Howard Research And Development Corporation
Cynthia L. Stewart *1/20/03* Date
Cynthia L. Stewart, Assistant Secretary
The Howard Research And Development Corporation

SURVEYOR

DAFT-McCUNE-WALKER, INC.
200 East Pennsylvania Avenue
Towson, Md. 21286
(410) 296-3333
ATTN: Anthony J. Vitti



SURVEYOR'S CERTIFICATE

I hereby certify that the final plat shown hereon is correct, that it is a subdivision of part of the lands conveyed by The Howard Research and Development Corporation to HRD Land Holdings, Inc. by deed dated December 18, 2000 and recorded among 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 dated January 5, 2001, and that all monuments are in place or will be in place prior to acceptance of the streets in the subdivision by Howard County as shown. The requirements of Section 3-108, The Real Property Article, of the 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.

Anthony J. Vitti *1/20/03* Date
Anthony J. Vitti
Professional Land Surveyor
Maryland Registration No. 10951

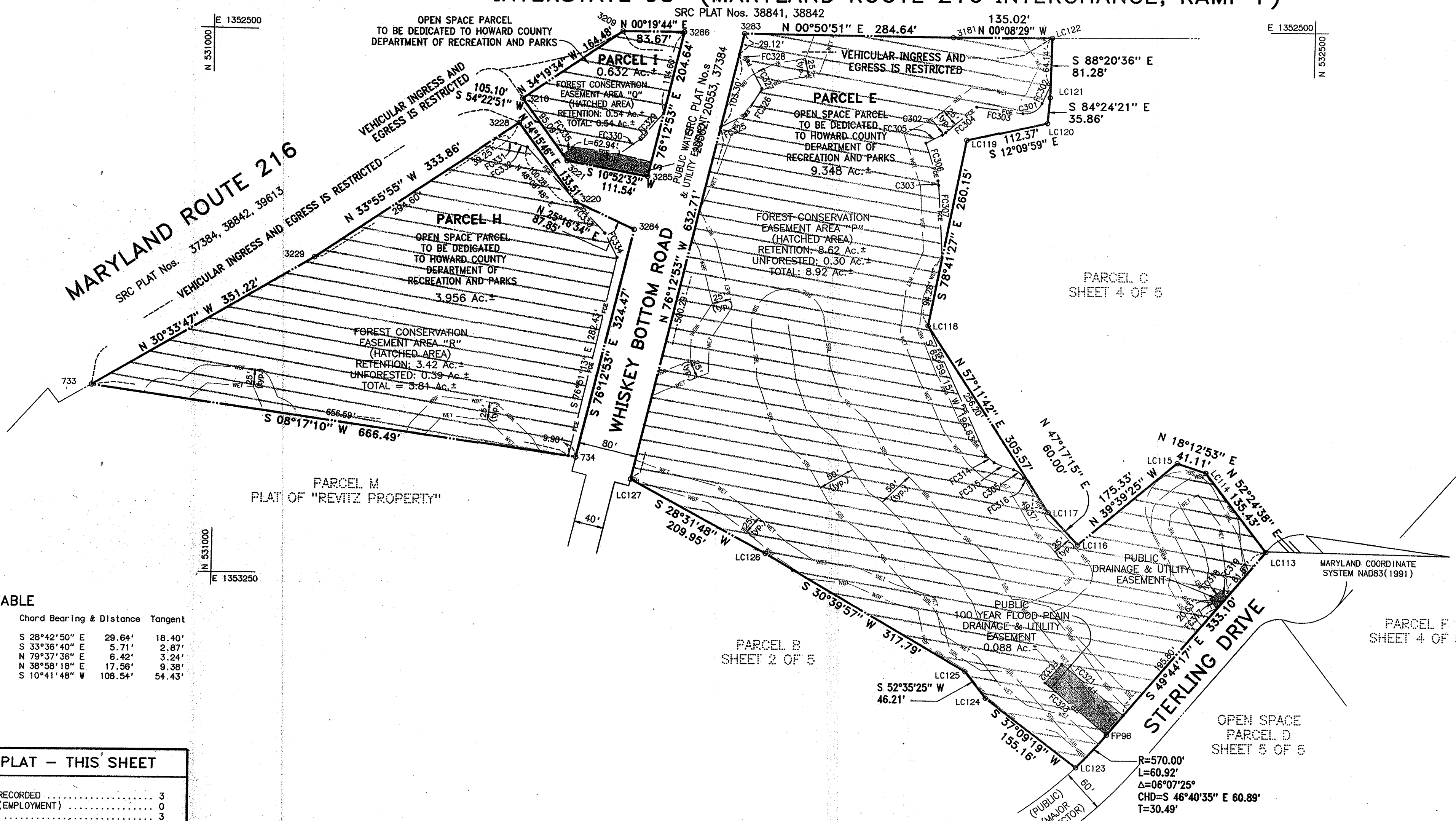
RECORDED AS PLAT No. 15830

ON Mar. 3, 2003 IN THE
LAND RECORDS OF HOWARD COUNTY, MD.

EMERSON
Section 3, Area 1
Parcels A Through C and
Open Space Parcels D Through I

SHEET 3 OF 5
ZONING: PEC-MXD-3
TAX MAP 47 GRID 14 P/O PARCEL 837
6TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
SCALE: 1" = 100' JANUARY 16, 2003

INTERSTATE 95 (MARYLAND ROUTE 216 INTERCHANGE, RAMP F)



E 1352500
N 531000

E 1352500
N 532500

E 1353250
N 531000

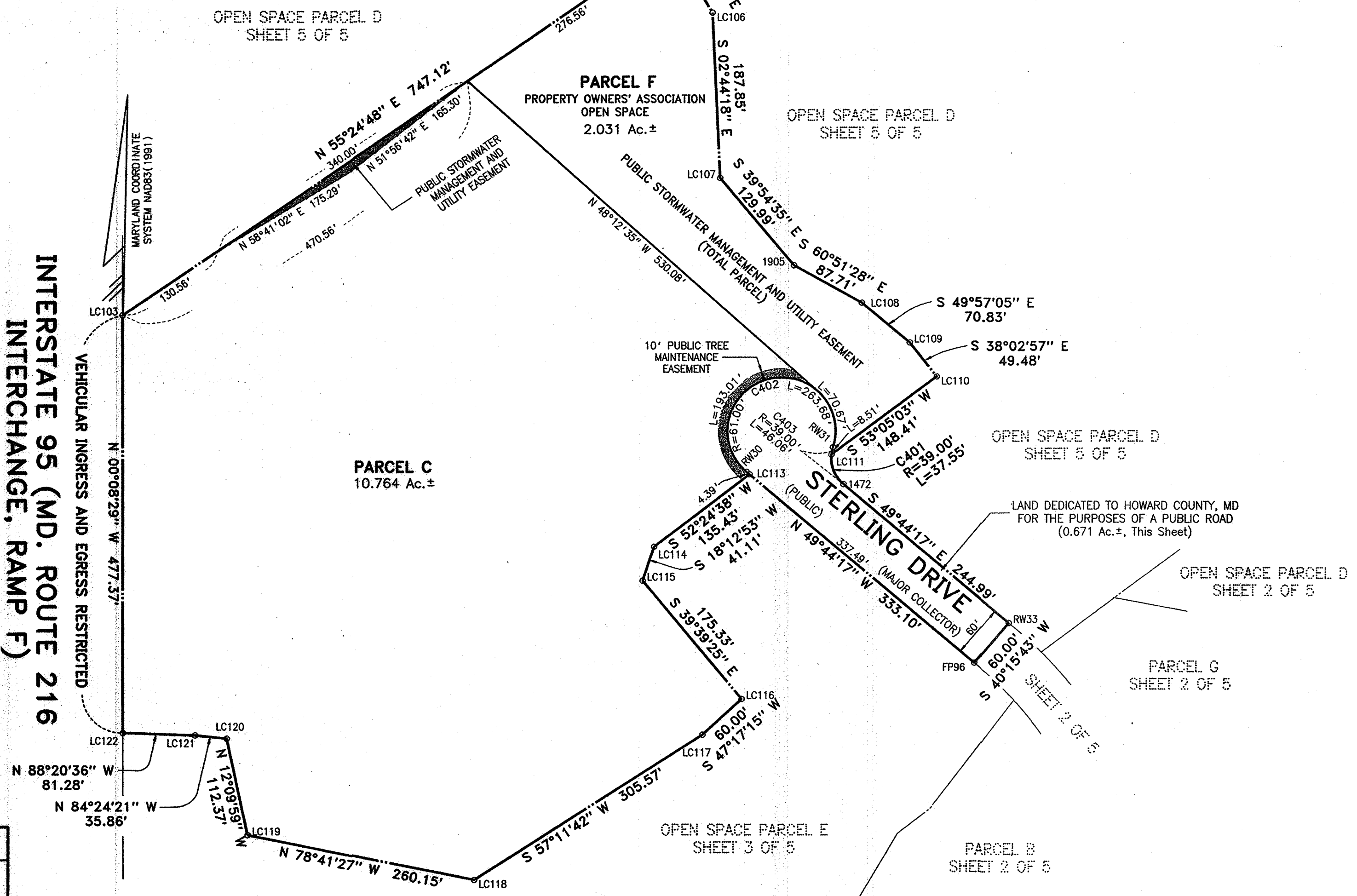
MARYLAND COORDINATE SYSTEM NAD83(1991)

CURVE TABLE

Name	Delta	Radius	Length	Chord Bearing & Distance	Tangent
C401	55°10'15"	39.00'	37.55'	S 22°09'06" E 36.12'	20.38'
C402	247°39'58"	61.00'	263.68'	N 74°05'42" E 101.34'	---
C403	67°39'58"	39.00'	46.06'	S 15°54'15" W 43.43'	26.14'

**INTERSTATE 95 (MD. ROUTE 216)
 INTERCHANGE, RAMP F)**
 SRC PLAT Nos. 38841, 38842

VEHICULAR INGRESS AND EGRESS RESTRICTED



TABULATION OF FINAL PLAT - THIS SHEET

TOTAL NUMBER OF LOTS/PARCELS TO BE RECORDED	2
BUILDABLE (EMPLOYMENT)	1
OPEN SPACE	1
TOTAL AREA OF PROPOSED PUBLIC ROADS	0.671 Ac.±
TOTAL AREA OF LOTS/PARCELS	12.795 Ac.±
BUILDABLE (EMPLOYMENT)	10.764 Ac.±
OPEN SPACE (1)	2.031 Ac.±
PROPERTY OWNERS ASSOCIATION (1)	0.000 Ac.±
RECREATION AND PARKS	0.000 Ac.±
TOTAL AREA OF THIS SHEET	13.466 Ac.±

OWNER/DEVELOPER
 THE HOWARD RESEARCH AND
 DEVELOPMENT CORPORATION
 10275 Little Patuxent Parkway
 Columbia, Md. 21044
 (410) 992-6084
 ATTN: Joseph H. Necker, Jr.

SURVEYOR
 DAFT-McCUNE-WALKER, INC.
 200 East Pennsylvania Avenue
 Towson, Md. 21286
 (410) 296-3333
 ATTN: Anthony J. Vitti



OWNER'S DEDICATION

We, The Howard Research And Development Corporation, A Maryland Corporation, by Joseph H. Necker Jr., Vice-President and Cynthia L. Stewart, Assistant Secretary, owners of the 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,

- The right to lay, construct, and maintain sewers, drains, water pipes, and other municipal utilities and services, in and under all roads and street right-of-ways 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; and
- 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 right-of-ways.

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.

Witness our hands this 20 day of January, 2003.
 _____ Date
 Joseph H. Necker Jr., Vice President
 The Howard Research And Development Corporation
 _____ Date
 Cynthia L. Stewart, Assistant Secretary
 The Howard Research And Development Corporation

SURVEYOR'S CERTIFICATE

I hereby certify that the final plat shown hereon is correct, that it is a subdivision of part of the lands conveyed by The Howard Research and Development Corporation to HRD Land Holdings, Inc. by deed dated December 18, 2000 and recorded among 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 dated January 5, 2001, and that all monuments are in place or will be in place prior to acceptance of the streets in the subdivision by Howard County as shown. The requirements of Section 3-108, The Real Property Article, of the 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.

_____ Date
 Anthony J. Vitti
 Professional Land Surveyor
 Maryland Registration No. 10951

DMW
Daft · McCune · Walker, Inc.
 A Team of Land Planners, Landscape Architects, Engineers, Surveyors & Environmental Professionals
 200 East Pennsylvania Avenue
 Towson, Maryland 21286
 410 296 3333
 Fax 296 4705

RECORDED AS PLAT No. 15831
 ON Mar. 3, 2003 IN THE
 LAND RECORDS OF HOWARD COUNTY, MD.

EMERSON
 Section 3, Area 1
 Parcels A Through C and
 Open Space Parcels D Through I

SHEET 4 OF 5
 ZONING: PEC-MXD-3
 TAX MAP 47 GRID 14 P/O PARCEL 837
 6TH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 SCALE: 1" = 100' JANUARY 16, 2003

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, IN CONFORMANCE WITH THE MASTER PLAN OF WATER AND SEWERAGE FOR HOWARD COUNTY
 _____ Date
 Perry Bonita, M.D., F.S.
 Howard County Health Officer

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
 _____ Date
 Chief, Development Engineering Division

_____ Date
 Director

100 YEAR FLOOD PLAIN DRAINAGE & UTILITY EASEMENT LINE TABLE

Name	Bearing	Distance
FP501	S 69°57'03" W	113.17'
FP502	N 49°14'11" E	12.84'
FP503	N 16°47'54" E	22.66'
FP504	N 02°39'28" E	85.14'
FP505	N 05°45'05" W	56.69'
FP506	N 63°46'05" W	31.21'
FP507	N 53°47'26" W	28.16'
FP508	S 76°20'58" W	29.23'
FP509	N 83°22'03" W	17.57'
FP510	N 38°45'06" E	39.54'
FP511	N 12°34'49" W	40.60'
FP512	N 33°24'42" W	35.23'
FP513	N 40°59'16" W	30.04'
FP514	N 21°38'09" W	56.10'
FP515	N 66°33'48" W	53.22'
FP516	N 45°38'12" W	27.14'
FP517	N 04°25'36" W	22.10'
FP518	N 07°27'20" E	64.08'
FP519	N 12°01'53" E	81.83'
FP520	N 10°27'39" E	104.11'

FOREST CONSERVATION EASEMENT LINE TABLE

Name	Bearing	Distance
FC501	N 03°06'49" E	55.15'
FC502	N 85°33'51" W	52.52'
FC504	N 16°50'56" W	47.07'
FC505	N 03°14'33" E	99.24'
FC506	N 12°02'35" W	80.78'
FC507	N 41°04'27" W	88.98'
FC508	S 81°57'56" W	34.10'
FC509	S 42°25'27" W	97.20'
FC510	S 65°01'50" W	60.07'
FC511	S 27°58'42" W	24.37'
FC512	N 35°05'02" W	30.16'
FC513	N 31°30'16" E	15.17'

CURVE TABLE

Name	Delta	Radius	Length	Chord Bearing & Distance	Tangent
C501	04°25'56"	630.00'	48.74'	N 47°31'19" W 48.72'	24.38'
C502	55°10'15"	39.00'	37.55'	N 22°09'06" W 36.12'	20.38'

TABULATION OF FINAL PLAT - THIS SHEET

TOTAL NUMBER OF LOTS/PARCELS TO BE RECORDED BUILDABLE (EMPLOYMENT)	1
OPEN SPACE	0
TOTAL AREA OF PROPOSED PUBLIC ROADS	0.000 Ac.±
TOTAL AREA OF LOTS/PARCELS BUILDABLE (EMPLOYMENT)	25.276 Ac.±
OPEN SPACE (p/o 1) PROPERTY OWNERS ASSOCIATION RECREATION AND PARKS (p/o 1)	0.000 Ac.± 25.276 Ac.±
TOTAL AREA OF THIS SHEET	25.276 Ac.±

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, IN CONFORMANCE WITH THE MASTER PLAN OF WATER AND SEWERAGE FOR HOWARD COUNTY

Perry V. Borzuta 2/14/03
Howard County Health Officer Date

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

John D. ... 2/10/03
Chief, Development Engineering Division Date

Robert D. ... 2/25/03
Director Date



OWNER/DEVELOPER
THE HOWARD RESEARCH AND DEVELOPMENT CORPORATION
10275 Little Patuxent Parkway
Columbia, Md. 21044
(410) 992-6084
ATTN: Joseph H. Necker, Jr.

SURVEYOR
DAFT-McCUNE-WALKER, INC.
200 East Pennsylvania Avenue
Towson, Md. 21286
(410) 296-3333
ATTN: Anthony J. Vitti



OWNER'S DEDICATION

We, The Howard Research And Development Corporation, A Maryland Corporation, by Joseph H. Necker Jr., Vice-President and Cynthia L. Stewart, Assistant Secretary, owners of the 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,

- The right to lay, construct, and maintain sewers, drains, water pipes, and other municipal utilities and services, in and under all roads and street right-of-ways 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; and
 - 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 right-of-ways.
- 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.

Witness our hands this 20 day of January 2003.

Joseph H. Necker Jr. 1/20/03 Date
The Howard Research And Development Corporation

Cynthia L. Stewart 1/20/03 Date
The Howard Research And Development Corporation

SURVEYOR'S CERTIFICATE

I hereby certify that the final plat shown hereon is correct, that it is a subdivision of part of the lands conveyed by The Howard Research and Development Corporation to HRD Land Holdings, Inc. by deed dated December 18, 2000 and recorded among 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 dated January 5, 2001, and that all monuments are in place or will be in place prior to acceptance of the streets in the subdivision by Howard County as shown. The requirements of Section 3-108, The Real Property Article, of the 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.

Anthony J. Vitti 1/20/03 Date
Anthony J. Vitti
Professional Land Surveyor
Maryland Registration No. 10951

RECORDED AS PLAT No. 15832
ON 1/23/03 IN THE
LAND RECORDS OF HOWARD COUNTY, MD.

DMW
Daft · McCune · Walker, Inc.
A Team of Land Planners, Landscape Architects, Engineers, Surveyors & Environmental Professionals
200 East Pennsylvania Avenue
Towson, Maryland 21286
410 296 3333
Fax 296 4705

EMERSON
Section 3, Area 1
Parcels A Through C and
Open Space Parcels D Through I

SHEET 5 OF 5
ZONING: PEC-MXD-3
TAX MAP 47 GRID 14 P/O PARCEL 837
6TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
SCALE: 1" = 100' JANUARY 16, 2002