General Notes

- 1. Open space areas may contain active recreation facilities as allowed i the approved development criteria.
- 2. Stephens Road is a designated transit route.
- 3. Topographical information was obtained through aerial photography during the summer of 1998.
- 4. Boundary shown is survey by DMW, June, 1999
- 5. Wetland limite were field located in September, 1998 and January, 2000 by DMW.
- 6. The 190 year flood plain shown is per Howard County's Hammond Branch Floodplain

- 10. Existing utilities are based on plans of record.
- 12. Stream buffers are determined by land use adjoining the open space
- 13. The stormwater management facilities shown on sheet 3 are schematic
- only. Actual size and location of the facilities may change prior to construction The developer acknowledges that these facilities must meet current Howard County design criteria or as approved by waiver.
- 14. All hos lots will be owned by the Homeowners Association. Open space lots
- 15. There are no known wells or septic systems within the limits of the project.

Site Analysis Data Chart

1. General Site Data

- a. Present Zoning: PEC MXD 3, AND PEC b. Applicable DPZ File References: 6-99-12; PB 339; ZB 979 M
- c. Proposed Use of Site or Structure(s): Employment
- Proposed Water and Sewer Systems: Public

2. Area Tabulation

- b. Approximate Area of 100 Year Floodplain: 16.9± Acres
- c. Approximate Area of Steep Slopes (25% or Greater): 1.9± Acres.
- f. Area of Employment Lote/Parcels: 20.4 Acres.
- g. Proposed Open Space Lote: 48.6± Acres. Proposed POA Open Space Lote: 4.12 Acres
- Proposed DRP Open Space Lote: 44.5± Acres. h. Area of Proposed Public Roads: 1.9± Acres.

3. Open Space Data

- a. Number of Open Space Parcels proposed: 4
- c. Open Space Provided: 48.6 Credited Acres (69%)
- d. Excess Open Space available for credit in other phases: 23.5 Ac.
- e. No Recreational Open Space is Required for the Emerson Section 3 Development

BENCHMARK DESCRIPTION

COORDINATES IN MARYLAND NAD83(91) (HORIZONTAL) AND NGYD29 (VERTICAL) DATUMS.

47DA NORTHING: 163191.9104 EASTING: 4112865759

ELEYATION: 315.905 ft 47E4 NORTHING: 163326.2295 EASTING: 413136.2550

ELEVATION: 338.909ft

47G2 NORTHING: 162440.1212 EASTING: 4118539279 ELEVATION: 364.210ft.

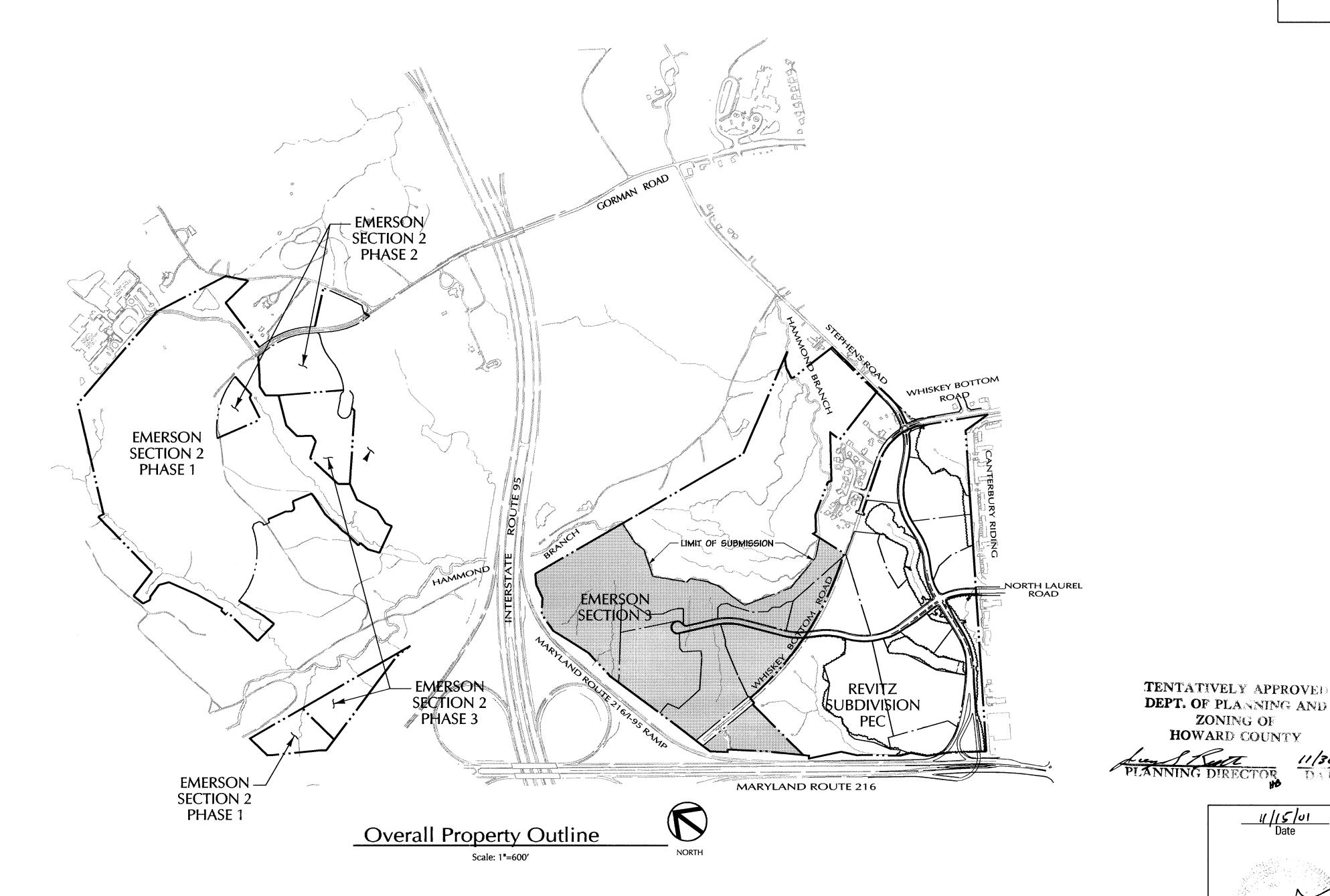
Sheet Index

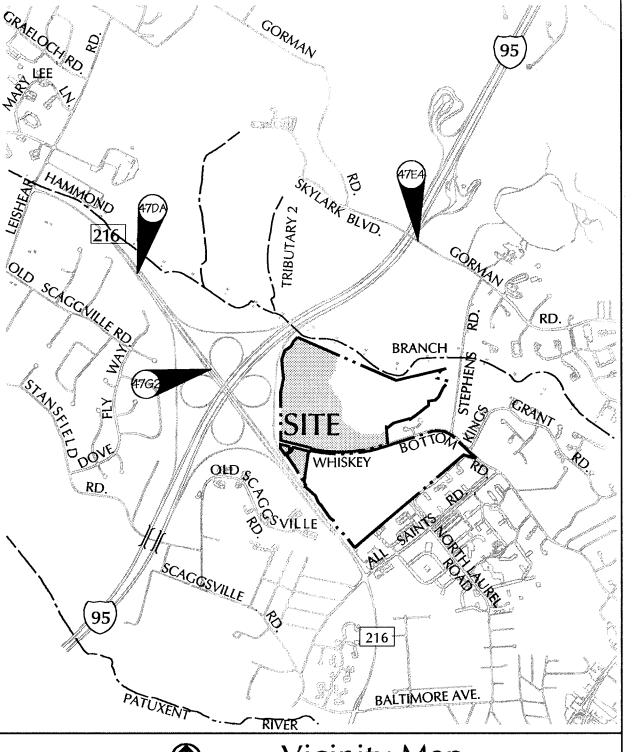
	SHEET	DESCRIPTION
	1	COVER SHEET
	2	PRELIMINARY PLAN
ı	3	SCHEMATIC SEDIMENT CONTROL AND PRELIMINARY GRADING
	4	PRELIMINARY FOREST CONSERVATION PLAN
	5	PRELIMINARY FOREST CONSERVATION PLAN
	6	PRELIMINARY LANDSCAPE PLAN

Preliminary Subdivision Plan Emerson Section 3, Area 1 (Formerly the Key Property)

Howard County

Maryland





Vicinity Map SCALE: 1"=2000'

Revision Description EMERSON SECTION 3 AREA 1

OWNER /DEVELOPER

THE HOWARD RESEARCH & DEVELOPMENT CORPORATION 10275 LITTLE PATUXENT PARKWAY COLUMBIA, MARYLAND 21044

ZONING OF

HOWARD COUNTY

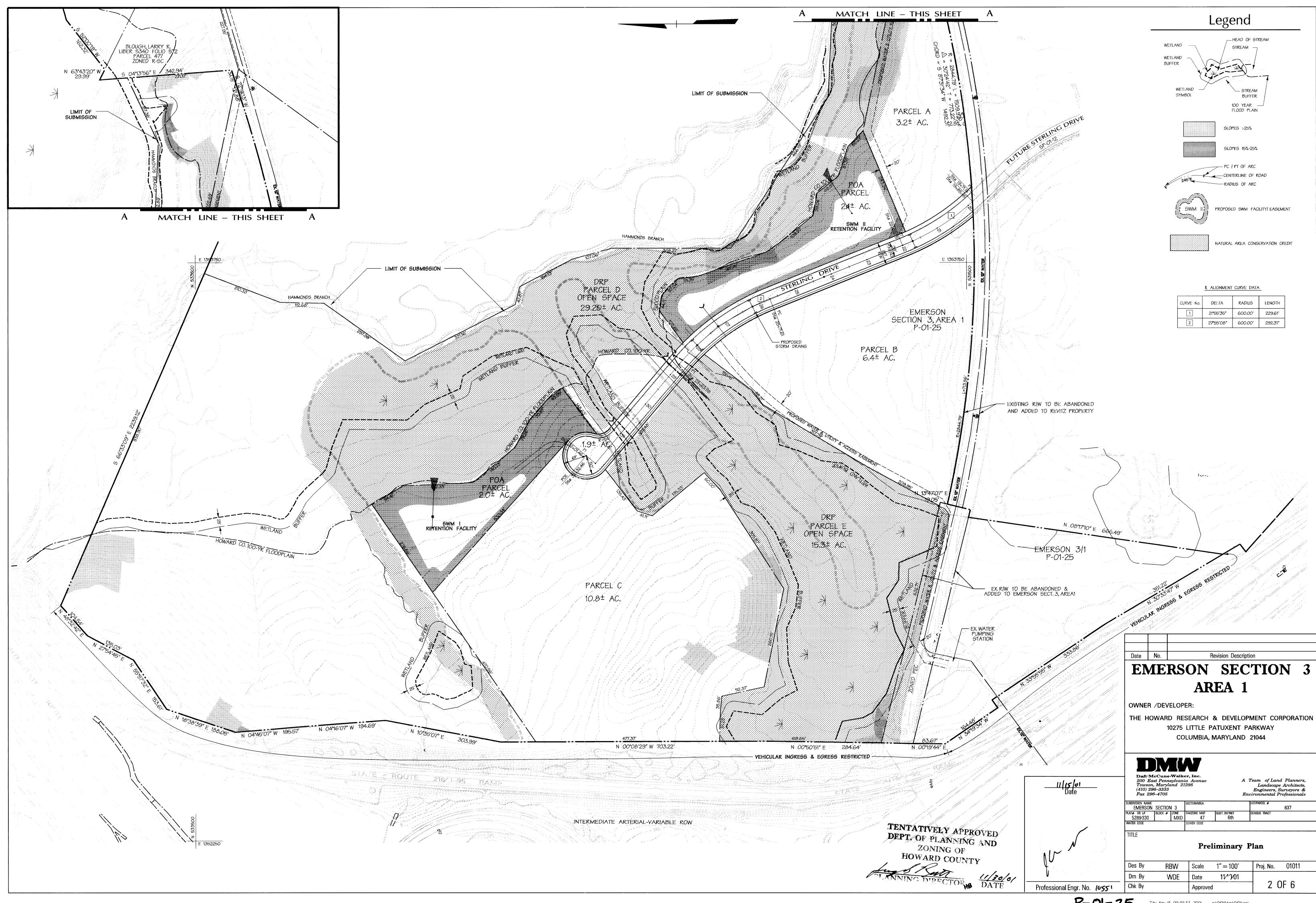
Professional Engr. No. 10551

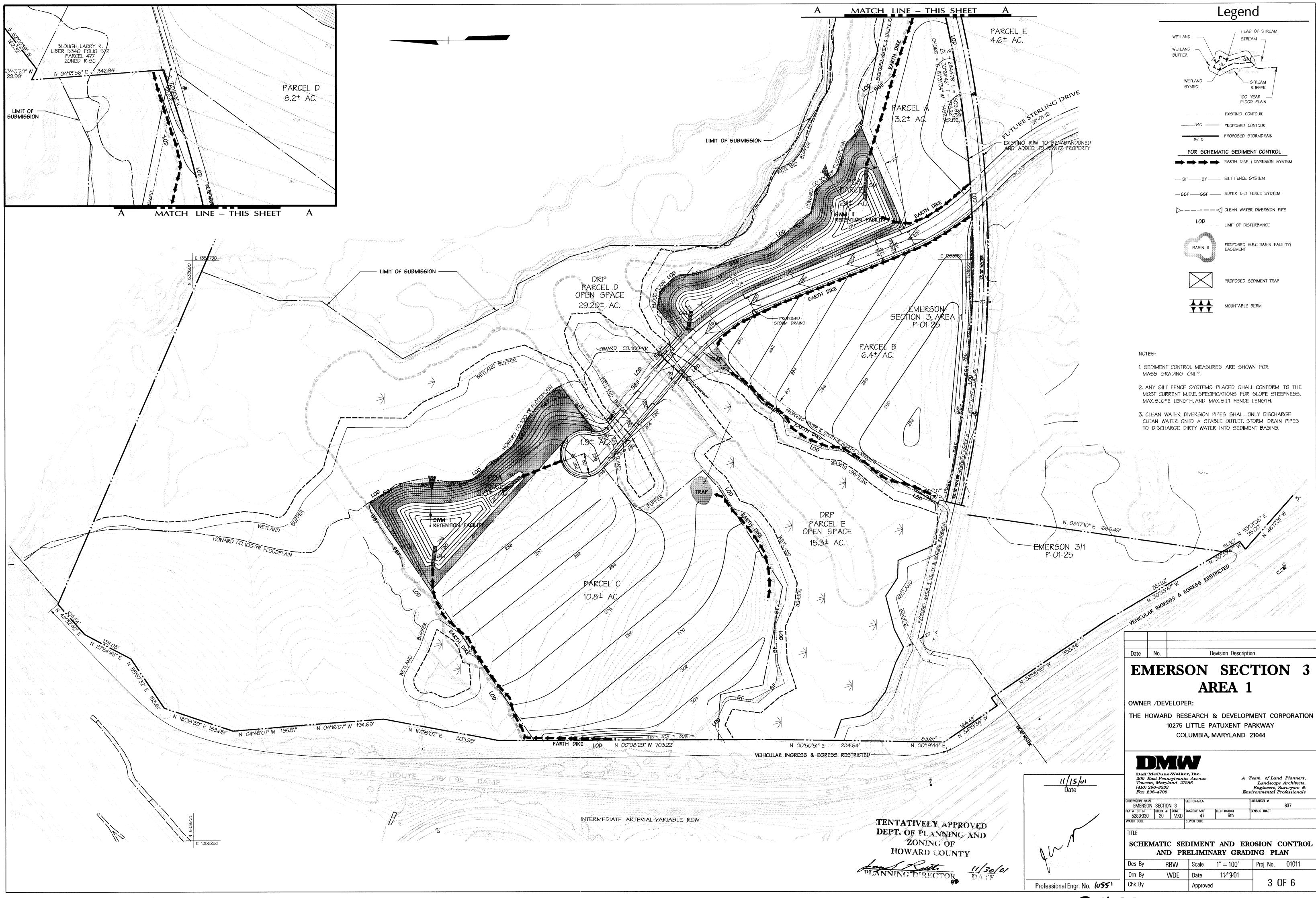
 PLAT# OR LF
 BLOCK #
 ZONE
 TAXZONE MAP
 ELECT. DISTRICT

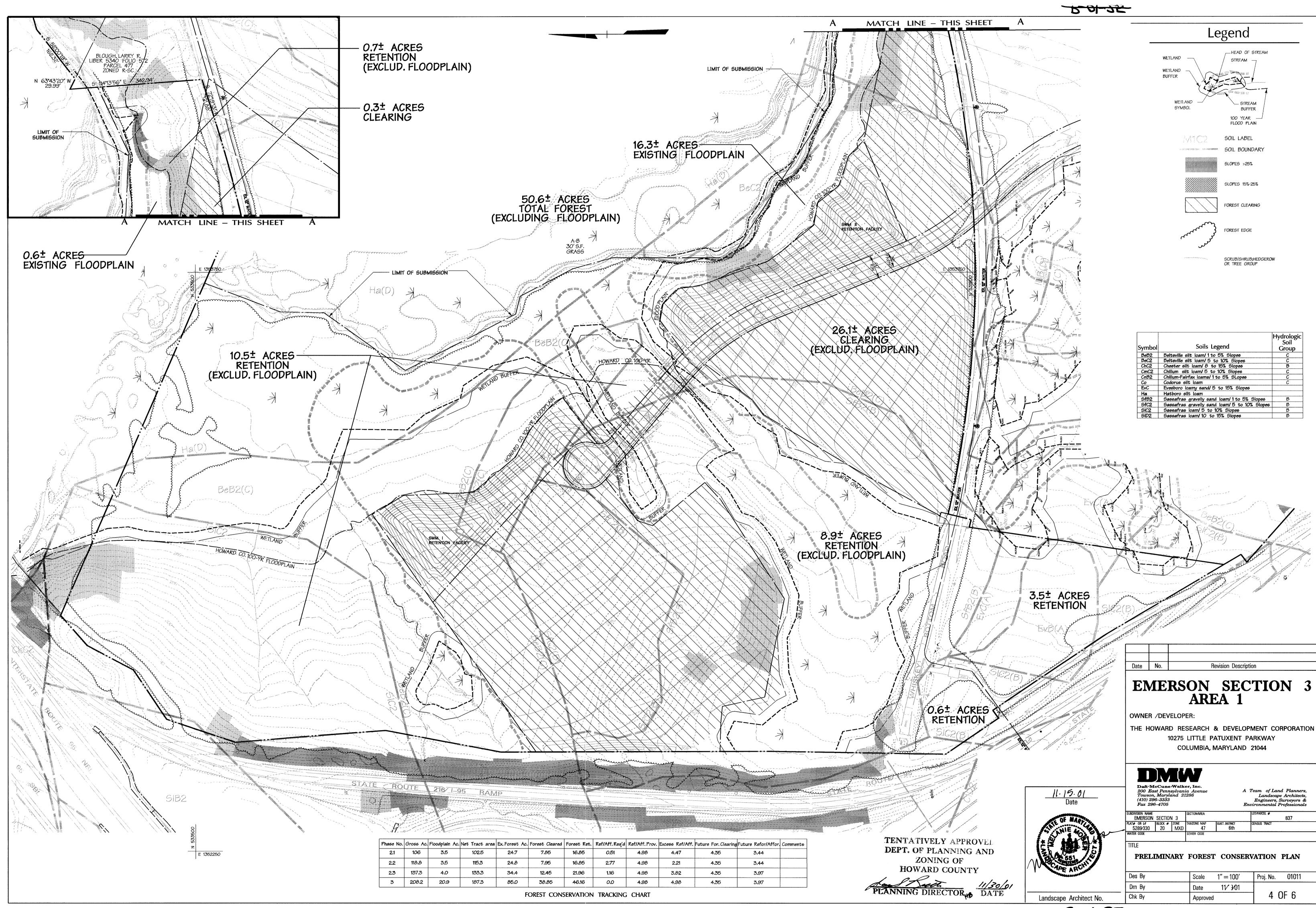
 5289/330
 20
 MXD
 47
 6 th
 COVER SHEET

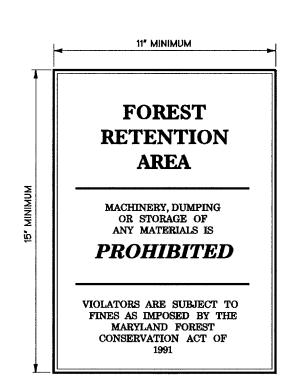
¹ Proj. No. 01011 Scale 1'' = 600'WDE 1 OF 6

P-01-25 Thu Nov 15 09:00:12 2001 n:\01011\key\0101111si



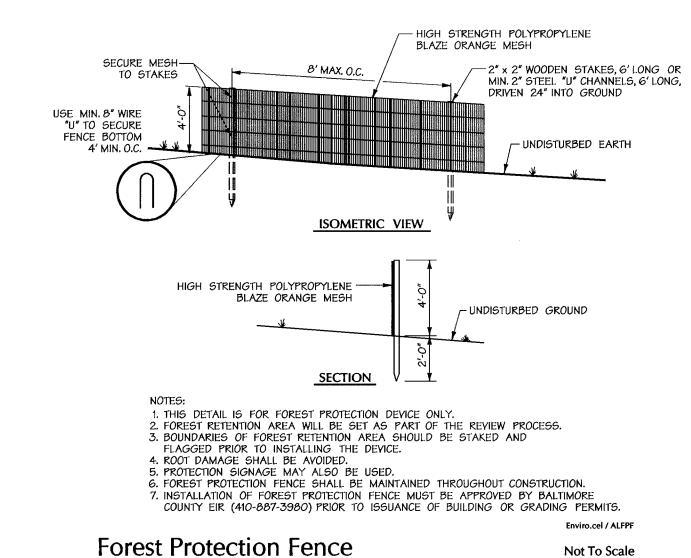






SIGNS TO BE PLACED ON METAL POSTS 5' ABOVE FINISH GRADE PRIOR TO PLANTING.
PLACE SIGNS EVERY 100' AROUND PERIMETER OF FOREST CONSERVATION AREA.

Forest Retention Area Signage



GOALS AND OBJECTIVES

Development of Emerson Section 3 under the current Forest Conservation Act entails clearing 26.4 Acres of Forest and Retaining 24.2 Acres of Forest. The "Break Even Point" of 16.6 Acres of Forest is being retained on-site, along with an additional excess forest Retention of 7.6± Acres; therefore, no reforestation is required.

The goals and objectives of this Preliminary Forest Conservation Plan are to provide for short-term forest retention area protection by identifying those areas and indicating the locations of temporary forest protection fencing and signage. Establishing these short-term protection measures prior to any earth-moving activities will help ensure that these areas will not be disturbed during construction activities. Long-term forest protection measures include establishing a Forest Conservation Easement which will be conveyed to Howard County.

FOREST CONSERVATION CALCULATIONS

BASIC SITE DATA	ACRES (1/10)	
GROSS SITE AREA	70.9	
AREA WITHIN 100 YEAR FLOODPLAIN	16.9	
AREA WITHIN AGRICULTURAL USE OR PRESERVATION PARCEL (IF APPLICABLE)	0.0	
NET TRACT AREA LAND USE CATEGORY	54.0	Acciec
LAND USE CATEGORY	COMMERCIAL/INDUSTRIAL/	OFFICE
INFORMATION FOR CALCULATIONS		
A. NET TRACT AREA	54.0	
B. REFORESTATION THRESHOLD (15% x A)	8.1	
C. AFFORESTATION MINIMUM (15% x A)	<i>8</i> .1	
D. EXISTING FOREST ON NET TRACT AREA	50.6	
E. FOREST AREAS TO BE CLEARED	26.4	
F. FOREST AREAS TO BE RETAINED	24.2	
REFORESTATION CALCULATIONS		
A. NET TRACT AREA	54.0	
B. REFORESTATION THRESHOLD (15% x A)	8.1	
C. EXISTING FOREST ON NET TRACT AREA	50.6	
D. FOREST AREAS TO BE CLEARED E. FOREST AREAS TO BE RETAINED	26.4 24.2	
F. FOREST AREAS TO BE RETAINED F. FOREST AREAS CLEARED ABOVE REFORESTATION THRESHOLD	24.2 26.4	
G. FOREST AREAS CLEARED BELOW REFORESTATION THRESHOLD	0.0	
H. FOREST AREAS RETAINED ABOVE REFORESTATION THRESHOLD	16.1	
CLEARING ABOVE THE THRESHOLD ONLY		
IF FOREST AREAS TO BE RETAINED ARE GREATER THAN THE REFORESTATION THRESH (IF E IS GREATER THAN B), THE FOLLOWING CALCULATIONS APPLY:	HOLD	
REFORESTATION FOR CLEARING ABOVE THRESHOLD Fx1/4	6.6	
REFORESTATION FOR CLEARING BELOW THRESHOLD GX2	0.0	
TOTAL REFORESTATION REQUIRED	0.0	
(Fx/4) + (Gx2)	6.6	
CREDIT FOR RETENTION ABOVE CONSERVATION THRESHOLD	16.1	
REFORESTATION REQUIRED	O.O ACRES	

SCHEDULE A PERIMETER LANDSCAPE EDGE

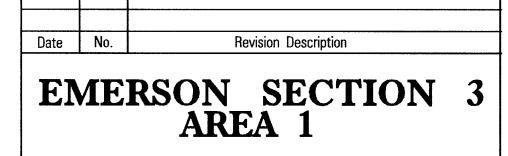
CATEGORY	ADJACENT to ROADWAYS	ADJACENT to PERIMETER PROPERTIE			5
PERIMETER #	P1	P2	P3	P4	P5
BUFFER TYPE	Α	Α	С	Α	A
LINEAR FEET OF PERIMETER	3372 LF.	937 LF.	271 LF.	1661 LF.	717 LF.
CREDIT FOR EXISTING VEGETATION (DESCRIBE BELOW IF NEEDED)	2945 LF.	937 LF.	230 LF.	N/A	717 LF.
CREDIT FOR BERM (DESCRIBE BELOW IF NEEDED)	N/A	N/A	N/A	N/A	N/A
NUMBER OF PLANTS REQUIRED SHADE TREES EVERGREEN TREES SHRUBS	7 0 0	0 0	1 2 0	28 0 0	0 0 0
NUMBER OF PLANTS PROVIDED SHADE TREES EVERGREEN TREES OTHER TREES (2:1 SUBSTITUTION) SHRUBS (10:1 SUBSTITUTION) (DESCRIBE PLANT SUBSTITUTION CREDITS BELOW IF NEEDED)					

^{*} NOTE: STREET TREES WILL BE PROVIDED @ 1/40 LF.

SCHEDULE D STORMWATER MANAGEMENT AREA LANDSCAPING

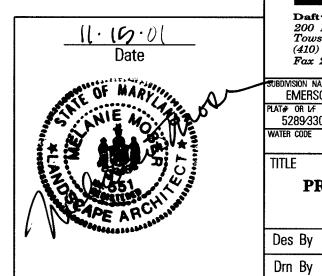
POND #	1	11
LINEAR FT OF PERIMETER (TYPE "B")	1211 LF	1728 LF
NUMBER OF TREES REQUIRED SHADE TREES @ 1/50 L.F. EVERGREEN TREES @ 1/40 L.F.	10 13	19 24
CREDIT FOR EXISTING VEGETATION	696 LF	777 LF
CREDIT FOR OTHER LANDSCAPING	NA	NA
NUMBER OF TREES PROVIDED SHADE TREES EVERGREEN TREES SHRUBS		

^{*} THE DEVELOPER WILL PROVIDE ALL SWM LANDSCAPE OBLIGATIONS



TENTATIVELY APPROVED DEPT. OF PLANNING AND ZONING OF HOWARD COUNTY





THE HOWARD RESEARCH & DEVELOPMENT CORPORATION 10275 LITTLE PATUXENT PARKWAY COLUMBIA, MARYLAND 21044

200 East Pennsylvania Avenue Towson, Maryland 21286 (410) 296–3333

OWNER /DEVELOPER:

A Team of Land Planners, Landscape Architects, EMERSON SECTION 3

PLAT# OR LF BLOCK # ZONE TAXZONE MAP ELECT. DISTRICT
5289/330 20 MXD 47 6th

PRELIMINARY FOREST CONSERVATION AND LANDSCAPE NOTES AND SCHEDULES

Scale 1'' = 100'Proj. No. 01011 Drn By WDE Date 11/ 3/0 5 OF 6

Chk By Landsccape Architect No.

Thu Nov 15 09:55:03 2001 n:\01011\key\01011f2

