DOWNTOWN COLUMBIA MERRIWEATHER - SYMPHONY WOODS NEIGHBORHOOD

TOWN CENTER SECTION 1 AREA 1
PART OF OPEN SPACE LOT 23 - PLAT # 22123
& PART OF OPEN SPACE LOT 9B PB15 P632

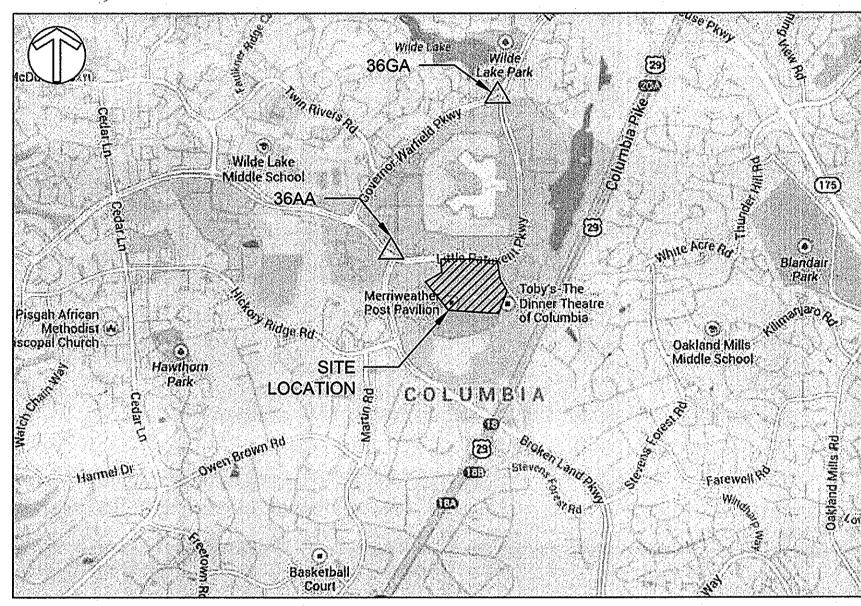
INDEX OF SHEETS

- COVER SHEET
 - ENVIRONMENTAL CONCEPT PLAN

LEGEND

<u>LEGEND</u>				
EXISTING		PROPOSED		
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and white the control of a control of the control o	MINOR CONTOUR -		SUB-DRAINAGE AREA BOUNDARY	
SS	SANITARY SEWER —		LIMIT OF SUBMISSION	
	STREAM CENTERLINE —	SD 8" SD —	STORM DRAIN	
	STORM DRAIN		BERM	
	WATER SUPPLY		RAIN GARDEN	
	ELECTRIC		en de la companya de La companya de la co	
	GAS		COBBLE OUTFALL	
	COMMUNICATIONS		RAINWATER HARVESTING	
Systematical and the day in the continuency and the southern continuency of the state of the state of the southern continuency of the state of the state of the southern continuency of the state of the	PROPERTY LINE		LANDSCAPE BERM	
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a a salah kementah ditung diangkatan dalah dibangkat dang dibandah dibangkan jaga a	VEGETATION		IMPERVIOUS PAVING	
WUS	WATERS OF THE U.S.		FLEXIBLE PERVIOUS PAVING	
	STREAM BUFFER WETLAND BUFFER		DECORATIVE PERMEABLE PAVERS (VEHICULAR)	
Δ	TRAVERSE POINT		DECORATIVE PERMEABLE PAVERS (PEDESTRIAN)	
	SLOPES >25%		MULCH FOOTPATH	
the same and the same	WETLAND		WOOD DECKING	
	TREE		STONE DUST	
18" TREE			COBBLE STONE EDGE	
			DIRECTION OF STORMWATER FLOW	
		₩	WATER LINE	
			SANITARY SEWER LINE	
			4" SHC	
			1" WHC	
		SSF	SUPER SILT FENCE	

TREE REMOVAL



SCALE 1" - 2 000'

VICINITY MAP

ADC MAP COORD. MAP: 4935 GRID: C7

COORDINATES BASED ON NAD '83 MARYLAND COORDINATE SYSTEM AS PROJECTED BY HOWARD COUNTY GEODETIC CONTROL STATIONS Nos. 36AA, 36GA THE ELEVATIONS SHOWN HEREON ARE BASED ON NAVD '88 DATUM.

SITE ANALYSIS DATA CHART

TOTAL PROJECT AREA: 216,196 SF OR 4.96 AC LIMIT OF DISTURBED AREA: 230,576 SF OR 5.29 AC WETLAND AREA - 0.04 AC WETLAND BUFFER AREA - 0.05 AC FLOODPLAIN AREA - 0.0 AC FLOODPLAIN BUFFER AREA - 0.0 AC FOREST AREA - 2.3 AC STEEP SLOPES AREA - 0.8 AC ERODIBLE SOILS AREA - 0.5 AC PROPOSED USE - OPEN SPACE PROPOSED IMPERVIOUS AREA - 1.0 AC

PERMIT INFORMATION CHART SUBDIVISION NAME COLUMBIA TOWN CENTER 1/1 CHIEF, DEVELOPMENT ENGINEERING DIVISION ISS PERMIT INFORMATION CHART SUBDIVISION NAME COLUMBIA TOWN CENTER 1/1 SUBDIVISION NAME COLUMBIA TOWN CENTER 1/1 TAY MAP NO. ELECT. DISTR. CENSUS TRACT 6056.02 WATER CODE PUBLIC PUBLIC PUBLIC

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GENERAL NOTES

- 1. NO 100 YEAR FLOODPLAINS ARE LOCATED WITHIN OR ADJACENT TO THE PROJECT AREA.
- 2. NO CRITICAL HABITATS FOR RARE, THREATENED OR ENDANGERED SPECIES ARE PRESENT WITHIN THE PROJECT AREA.
- 3. NO HISTORIC STRUCTURES OR OTHER HISTORIC RESOURCES ARE PRESENT WITHIN THE PROJECT AREA.
- 4. PLANT COMMUNITY TYPES ON-SITE INCLUDE FOREST (F1) AND TREE CANOPY (T).
- 6. ADJACENT LAND USES ARE COMMERCIAL (20 AND 22-15) AND INSTITUTIONAL (41-4).

5. SOIL TYPES ARE TAKEN FROM HOWARD COUNTY SOIL MAP NO. 18 SAVAGE NW.

- 7. THIS PROJECT IS EXEMPT FROM FOREST CONSERVATION REQUIREMENTS PER SECTION 16.1202(B)(IV) OF THE HOWARD COUNTY SUBDIVISION AND LAND DEVELOPMENT REGULATIONS SINCE THE SUBJECT PROPERTY IS PART OF A PLANNED UNIT DEVELOPMENT WHICH HAS PRELIMINARY DEVELOPMENT PLAN APPROVED AND WAS SUBSTANTIALLY DEVELOPED PRIOR TO 1992
- APPROVAL OF THIS ECP DOES NOT CONSTITUTE AN APPROVAL OF ANY SUBSEQUENT AND ASSOCIATED SITE DEVELOPMENT PLAN AND/OR RED-LINE REVISION PLAN. REVIEW OF THIS PROJECT FOR COMPLIANCE WITH THE HOWARD COUNTY SUBDIVISION AND LAND DEVELOPMENT REGULATIONS AND THE HOWARD COUNTY ZONING REGULATIONS SHALL OCCUR AT THE S SITE DEVELOPMENT PLAN STAGES AND/OR RED-LINE REVISION PROCESS. THE APPLICANT AND CONSULTANT SHOULD EXPECT ADDITIONAL AND MORE DETAILED REVIEW COMMENTS (INCLUDING COMMENTS THAT MAY ALTER THE OVERALL SITE DESIGN) AS THIS PROJECT PROGRESSES THROUGH THE PLAN REVIEW PROCESS.
- 9. FOREST STAND DELINEATION IS FOR INFORMATIONAL PURPOSES ONLY AND THAT THE SITE IS EXEMPT FROM FOREST CONSERVATION OBLIGATIONS PER SECTION 16.1202(B)(IV) OF THE HOWARD COUNTY CODE SINCE THE SITE IS PART OF A PLANNED UNIT DEVELOPMENT PREDOMINANTLY COMPLETED PRIOR TO 1992.

DESIGN NARRATIVE

THE DOWNTOWN COLUMBIA MERRIWEATHER SYMPHONY WOODS NEIGHBORHOOD IS ZONED AS DOWNTOWN PARKLAND. THE PROPOSED DEVELOPMENT ACTIVITIES WITHIN THE PARKLAND INCLUDE AMENITY STRUCTURES AND A PERMEABLE PATH NETWORK. CURRENTLY, THE MAJORITY OF THE SITE IS TREE COVERED WITH A TURF UNDERSTORY. PROPOSED IMPERVIOUS COVER WILL COME PRIMARILY FROM SERVICE ROADS, PARKING, AND THE ROOFTOPS OF THE BUTTERFLY BUILDING AND CHRYSALIS.

THE ENVIRONMENTAL CONCEPT PLAN INCLUDES THE CONCEPTUAL BASIS OF DESIGN FOR MEETING ENVIRONMENTAL SITE DESIGN (ESD) REQUIREMENTS TO THE MAXIMUM EXTENT PRACTICABLE (MEP). SINCE THE EXISTING TREE CANOPY SERVES AS AN IRREPLACEABLE MECHANISM FOR REDUCING STORMWATER AND DEFINES THE CHARACTER OF SITE, THE PLAN AIMS TO MAXIMIZE TREE RETENTION DURING CONSTRUCTION AND MAINTAIN TREE HEALTH IN PERPETUITY. AS SUCH, THE PROPOSED STORMWATER MANAGEMENT CONCEPT AIMS TO AVOID EXCAVATION THAT WOULD IMPACT THE CRITICAL ROOT ZONE OF THE EXISTING TREES AND ENHANCE THE EXISTING SOIL'S CAPACITY TO ABSORB PRECIPITATION, IMPEDE EXISTING FLOW PATHS AND RETAIN RUNOFF IN MICRO-POOLS TO PROMOTE INFILTRATION.

ALL PROPOSED PATHS WILL BE WOOD DECKING OR POROUS PAVING AND WERE EXCLUDED FROM IMPERVIOUS COMPUTATIONS BY DIRECTION FROM HOWARD COUNTY STAFF. LIKEWISE, PROPOSED PARKING SPACES WILL ALSO USE PERVIOUS PAVING. PRIMARY IMPERVIOUS AREAS ARE ASSOCIATED WITH PROPOSED BUILDINGS ON THE EASTERN PORTION OF THE SITE AND THE DRIVEWAY ON THE WESTERN PORTION. SOILS IN THE AREA OF DEVELOPMENT ARE PREDOMINATELY WELL DRAINING, GLADSTONE-LEGORE COMPLEX (GDB AND GDC) AND ARE CLASSIFIED AS HYDROLOGIC SOIL GROUP B (HSG-B). CISTERNS ARE ALSO INCLUDED TO CAPTURE RUNOFF FROM THE CHRYSALIS AMPHITHEATER AND THE BUTTERFLY BUILDING. A RAIN GARDEN IS PROPOSED TO TREAT STORMWATER ON THE WESTERN SIDE OF THE SITE. TOGETHER, THESE PRACTICES CAPTURE THE FULL ESD VOLUME. BERMS ARE PROPOSED THROUGHOUT THE SITE TO IMPEDE AND RETAIN RUNOFF, ENCOURAGE INFILTRATION AND CREATE MICROHABITATS. THESE ARE THOUGHT TO BE SUPPLEMENTARY FEATURES.

OTHER RESOURCES PRESENT ON THE SITE, BUT UNIMPACTED BY DEVELOPMENT ACTIVITIES, INCLUDE INTERMITTENT AND EPHEMERAL STREAM CHANNELS, ASSOCIATED STREAM BUFFERS AND STEEP SLOPES. SINCE THE SITE IS LOCATED IN DOWNTOWN, NO FOREST CONSERVATION PLAN IS REQUIRED. HOWEVER, A FOREST STAND DELINEATION WAS PREPARED AND SHOWS EXISTING ENVIRONMENTAL RESOURCES ON THE 16 ACRE SITE.

CLIENT

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5/2/2014	REVISION 1	
7/10/2014	REVISION 2	
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ISSUES / REVISIONS



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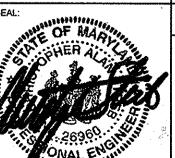
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MERRIWEATHER -SYMPHONY WOODS NEIGHBORHOOD ECP

TITLE:

TITLE SHEET

ROJECT NO.: 13039.01 SCALE: AS SHOWN



BY: TB CHECK: CS DWG. NO. :

OF 02

