# ENVIRONMENTAL CONCEPT PLAN HOWARD COMMUNITY COLLEGE PROPOSED SCIENCE, ENGINEERING, AND TECHNOLOGY BUILDING 5TH ELECTION DISTRICT HOWARD COUNTY, MD ECP 14-073

-FOREST CONSERVATION AREA EASEMENT AREA F

FOREST CONSERVATION -

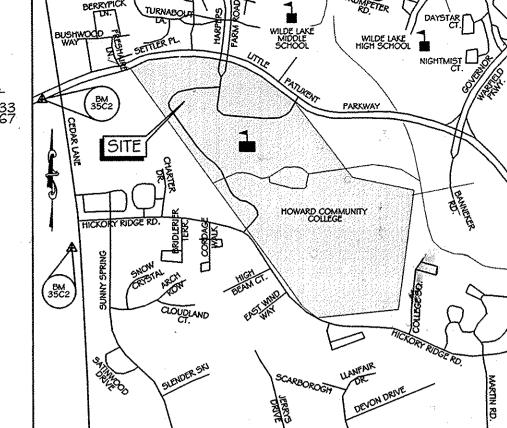
EASEMENT AREA "

## BENCHMARK DATA

HORIZONTAL NAD83/91 AND VERTICAL (NGVD29) CONTROL BASED ON GPS OBSERVATIONS. HOWARD COUNTY BENCH MARK NO. 'S

LITTLE PATUXENT PARKWAY

35C2 HOW CO MON 563920.830 1344204.150 464.133 35C2 HOW CO MON 562148.450 1344554.472 452.267



VICINITY MAP SCALE I" = 1000' ADC MAP: 4934 GRID: K7

### SITE ANALYSIS DATA SHEET

1. SITE ADDRESS:

2. OWNER/APPLICANT:

BOARD OF TRUSTEES OF HOWARD COUNTY COMMUNITY COLLEGE

3. ENGINEER:

4. TAX ACCOUNT NO.:

6. AREA OF TOTAL SITE: 117.84 ACRES

7. LIMIT OF DISTURBANCE: 150,472 S.F. (3.45 ACRES)

8. PROPOSED IMPERVIOUS AREA WITHIN THE L.O.D.: 61,855 (1.42 ACRES)

15-045868

9. PROPOSED OPEN SPACE WITHIN THE L.O.D.: 88,617 S.F. (2.03 ACRES)

. APPROVAL OF THIS ECP DOES NOT CONSTITUTE APPROVAL OF ANY SUBSEQUENT AND ASSOCIATED SUBDIVISION PLAN AND/OR SITE DEVELOPMENT PLAN AS APPLICABLE. FURTHER REVIEW OF DEVELOPMENT PLANS WILL BE REQUIRED AND WILL GENERATE ADDITIONAL COMMENTS.

## INDEX OF DRAWINGS

OVERALL EXISTING IMPERVIOUS MAP

ECP-3 EXISTING CONDITIONS LOD IMPERVIOUS MAP ECP-4 PROPOSED CONDITIONS LOD IMPERVIOUS MAP ENVIRONMENTAL SITE DESIGN PLAN

EROSION & SEDIMENT CONTROL PLAN - PHASE EROSION \$ SEDIMENT CONTROL PLAN - PHASE 2

EROSION \$ SEDIMENT CONTROL PLAN - PHASE 3 9 ECP-9 EROSION & SEDIMENT CONTROL PLAN - PHASE 4

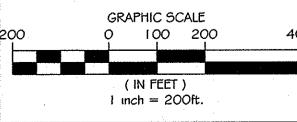
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© ©	EX. STORM DRAIN MANHOLE
<b>(E)</b>	EX. ELECTRIC MANHOLE
	EX. LIGHT POLE
( <u>(</u> )	EX. WATER METER
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à	EX. UTILITY POLE
$\Diamond$	EX. BOLLARD POST
	EX. DECIDUOUS TREE
	EX. CONIFEROUS TREE
<b>⋈</b> .	EX. GAS VALVE
Construence .	EX. GUY WIRE
Ď.	EX. WATER VALVE
<del>以</del>	EX. FIRE HYDRANT
co	EX. CLEANOUT
EX. 15" DRAIN	EX. STORM DRAIN
EX. GAS	EX. GAS LINE
EX. 6" SANITARY	EX. SANITARY
EX. ELECTRIC	EX. ELECTRIC
EX. TELEPHONE	EX. TELEPHONE

EX. CABLE TV

APPROXIMATE LIMITS OF FOREST CONSERVATION EASEMENT APPROXIMATE LIMITS OF ENVIRONMENTAL BUFFER AREA

EX. CABLE TV



N 561,300

ADDRESS CHART PARCEL# STREET ADDRESS
47 10901 LITTLE PATUXENT PKWY. **LOCATION MAP** 

**ELECTION DISTRICT NO.5** 

EASEMENT AREA 'A-1' PLAT NO. 19050

	F	PERMIT	INFOR	MATION CH	IART .	
SUBDIVISION NAME		SECTION/AREA		LOT/PARCEL NO.		
HOWARD COMMUNITY COLLEGE		117.84 AC.		47		
PLAT NUMBER	GRID#		NING	TAX MAP#	ELECT. DISTR.	CENSUS TRA
16125	35-6		R # NT	35	5TH	6056.02
WATER CODE 107			5522	R CODE 2500		

ENVIRONMENTAL .

CONSERVATION 7

BUFFER AREA

#### STORMWATER MANAGEMENT APPROACH

THE "STORMWATER MANAGEMENT ACT OF 2007" REQUIRES THE IMPLEMENTATION OF ENVIRONMENTAL SITE DESIGN TO THE MAXIMUM EXTENT PRACTICAL. THESE ENVIRONMENTAL SITE DESIGN TECHNIQUES PROMOTE GROUNDWATER RECHARGE BY TARGETING RUNOFF CHARACTERISTICS TO MIMIC WOODS IN A GOOD CONDITION AFTER DEVELOPMENT OF THE SITE.

PRE-DEVELOPED AREA THAT IS CURRENTLY BEING USED AS A PAVED PARKING LOT. THE EXISTING REDUCED IN OVERALL ACREAGE TO ALLOW FOR LARGE GREEN AREAS SURROUNDING THE

SELECTION OF THIS SITE FOR THE PROPOSED IMPROVEMENTS PRESERVES NATURAL FEATURES WETLANDS, FLOODPLAINS, STREAMS, ETC. WILL BE IMPACTED BY THIS PROJECT.

## EXISTING DRAINAGE PATTERNS WILL REMAIN UNCHANGED IN THE PROPOSED CONDITION. A CLOSED STORM DRAIN SYSTEM CURRENTLY CONVEYS FLOWS THROUGH THE SITE TO AN EXISTING STREAM THAT THE PROPOSED IMPROVEMENTS WILL REDUCE THE EXISTING IMPERVIOUS AREA WITHIN THE

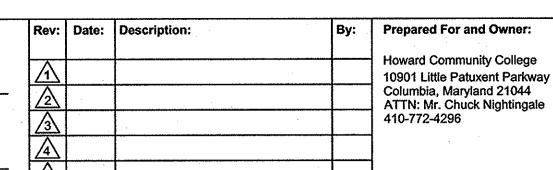
L.O.D. FOR THE PROJECT BY APPROXIMATELY 25 PERCENT, DISCHARGES AT THE OUTFALL TO THE

EROSION & SEDIMENT CONTROL: A CONCEPTUAL EROSION # SEDIMENT CONTROL PLAN IS BEING PROVIDED TO DEMONSTRATE THAT SEDIMENT CONTROL PRACTICES WILL BE PROVIDED TO EFFECTIVELY TREAT SEDIMENT LADEN RUNOFF DURING CONSTRUCTION WITHOUT IMPACTING THE MICRO-SCALE FACILITIES THAT ARE BEING PROPOSED FOR PERMANENT RUNOFF TREATMENT.

PRACTICES. MICRO-BIORETENTION FACILITIES ARE BEING PROPOSED TO CONTRIBUTE TO MEETING ESD VOLUME REQUIREMENTS FOR THE SITE. HYDROLOGIC SOIL GROUP 'D' SOILS LIMITED THE SELECTION OF MICRO-SCALE PRACTICES THAT COULD BE USED. MICRO-BIORETENTION FACILITIES WERE SELECTED DUE TO THE UNDER DRAIN SYSTEM THAT PROVIDES SOME ASSURANCE THAT THE FACILITIES WILL NOT RETAIN WATER AND BECOME A NUISANCE.

ARCHITECTS + PLANNERS 1040 Hull Street, Suite 100

PROVED: Howard County Department of Planning & Zon	ning	F
Kertslubiooh	10/23/14	
of, Division of Land Development	Date	4
Ph I Edul	10.29.14	4
of Development Engineering Objetion	Date	



LITTLE PATUXENT PARKWAY

# **Howard Community College -**Science, Engineering & Technolgy Building

ENVIRONMENTAL CONCEPT PLAN PARCEL 47, TAX MAP 35, GRID 6 TAX ACCOUNT # 045868 HOWARD COUNTY, MARYLAND

Date:	1996.	Scale:		8
r r	07-24-2014		1" = 200'	
Drawn By:	· · · · · · · · · · · · · · · · · ·	Designed By:		
	C.T.B		B.S.	
Approved By:	R.T.B	Project No:	27111245	
Tax Map-Grid:	35-6	Zoning:	POR & NT	1

FOREST CONSERVATION, EASEMENT AREA 'C-1'

PLAT NO. 19050

**ENVIRONMENTAL CONCEPT PLAN COVER SHEET** 

PROFESSIONAL CERTIFICATION. I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 31089 EXPIRATION DATE: 11/21/14



