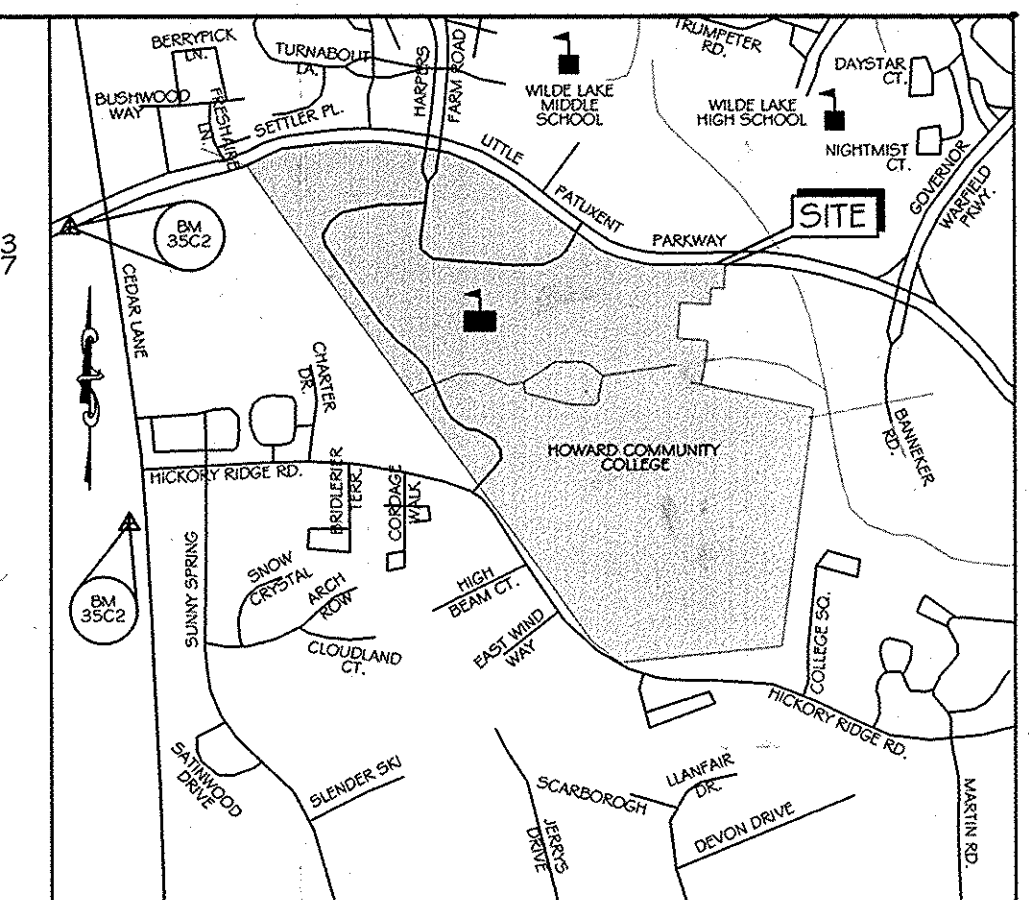


ENVIRONMENTAL CONCEPT PLAN
HOWARD COMMUNITY COLLEGE
 EAST PARKING GARAGE EXPANSION
 5TH ELECTION DISTRICT
 HOWARD COUNTY, MD
 ECP 15-071

BENCHMARK DATA

HORIZONTAL NAD83/91 AND VERTICAL NAVD83 CONTROL BASED ON GPS OBSERVATIONS. HOWARD COUNTY BENCHMARK NO. 5

	NORTHING	EASTING	ELEV.
35C2 HOW CO MON	563920.830	1344204.150	464.133
35C2 HOW CO MON	562148.450	1344554.472	452.267



VICINITY MAP
 SCALE 1" = 1000'
 ADC MAP: 4934 GRID: K7

SITE ANALYSIS DATA SHEET

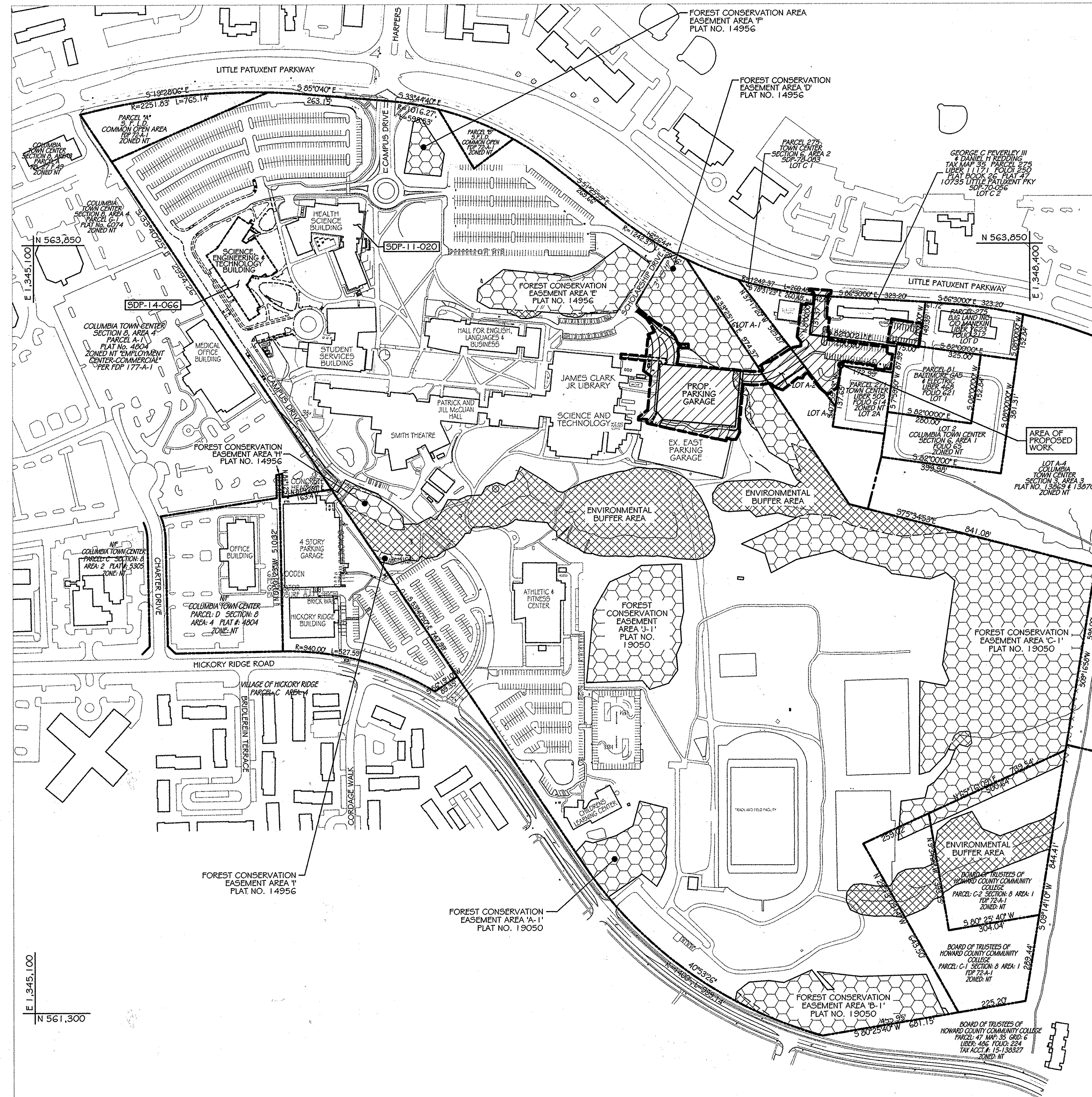
- SITE ADDRESS: 10901 LITTLE PATUXENT PKWY, COLUMBIA, MD 21044
- OWNER/APPLICANT: BOARD OF TRUSTEES OF HOWARD COUNTY COMMUNITY COLLEGE
- ENGINEER: RICHARD L. BUTT, P.E., LEED AP, KCI TECHNOLOGIES, INC., 596 RIDGEBROOK ROAD, SPARKS, MARYLAND 21152, (410) 316-7931
- TAX ACCOUNT NO.: 15-045868
- PROPERTY REFERENCE: MAP 35, PLAT 16125, BLOCK 6, PARCEL 47, ELECTION DISTRICT NO. 5
- ZONING: POR & NT, EXISTING USE: PARKING LOT, PROPOSED USE: PARKING GARAGE
- AREA OF SITE/DISTURBANCE: 153,331 S.F. (3.52 ACRES)
- PROPOSED IMPERVIOUS AREA WITHIN THE L.O.D.: 1,071,158 S.F. (2.46 ACRES)
- PROPOSED OPEN SPACE WITHIN THE L.O.D.: 46,174 S.F. (1.06 ACRES)
- AREA OF WETLAND WITHIN L.O.D.: 4,787 S.F. (0.11 ACRES)
- AREA OF WETLAND BUFFER WITHIN L.O.D.: 10,728 S.F. (0.25 ACRES)
- AREA OF FLOODPLAIN WITHIN L.O.D.: NONE
- AREA OF FOREST WITHIN L.O.D.: 10,788.59 S.F. (0.25 ACRES)
- AREA OF STEEP SLOPES (≥15%) WITHIN L.O.D.: 34,457.14 S.F. (0.79 ACRES)
- AREA OF ERODIBLE SOILS WITHIN L.O.D.: 34,457.14 S.F. (0.79 ACRES)
- AREA OF PROPOSED SITE USES WITHIN L.O.D.: PARKING STRUCTURE: 48,346 S.F. (1.11 ACRES), SUPPORTING INFRASTRUCTURE: 104,985 S.F. (2.41 ACRES)
- DISTURBED AREA: LOT A-1 = 349.82 S.F. (0.01 ACRES), LOT A-2 = 91,029.96 S.F. (2.07 ACRES), LOT A-3 = 1,824.02 S.F. (0.04 ACRES), LOT C-1 = 36,704.19 S.F. (0.84 ACRES), LOT C-2 = 10,600 S.F. (0.24 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

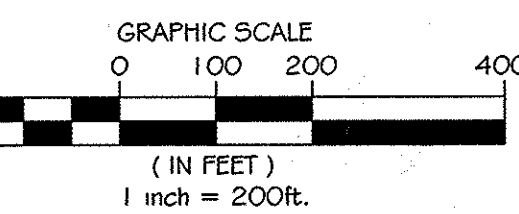
NO.	SHEET	DESCRIPTION
1	ECP-1	TITLE SHEET
2	ECP-2	OVERALL EXISTING CONDITIONS PLAN
3	ECP-3	EXISTING CONDITIONS IMPERVIOUS AREA
4	ECP-4	PROPOSED CONDITIONS IMPERVIOUS AREA
5	ECP-5	ENVIRONMENTAL SITE DESIGN PLAN
6	ECP-6	EROSION & SEDIMENT CONTROL PLAN

LEGEND

	PROPERTY LINE
	EX. SANITARY MANHOLE
	EX. STORM DRAIN MANHOLE
	EX. ELECTRIC MANHOLE
	EX. LIGHT POLE
	EX. WATER METER
	EX. SIGN
	EX. UTILITY POLE
	EX. BOLLARD POST
	EX. DECIDUOUS TREE
	EX. CONIFEROUS TREE
	EX. GAS VALVE
	EX. GUY WIRE
	EX. WATER VALVE
	EX. FIRE HYDRANT
	EX. CLEANOUT
	EX. 15" DRAIN
	EX. GAS LINE
	EX. 6" SANITARY
	EX. ELECTRIC
	EX. TELEPHONE
	EX. CABLE TV
	EX. 8" WATER
	AREA OF PROPOSED WORK
	APPROXIMATE LIMITS OF FOREST CONSERVATION EASEMENT
	APPROXIMATE LIMITS OF ENVIRONMENTAL BUFFER AREA
	PROPOSED PROJECT AREA



LOCATION MAP
 SCALE: 1" = 200'



1 inch = 200 feet.

TITLE SHEET

DISCIPLINE NUMBER: ECP-1
 SHEET NUMBER: 1 OF 6
 ECP 15-071

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. 31 089 EXPIRATION DATE: 11/21/16

ADDRESS CHART

PARCEL #	STREET ADDRESS
47	10901 LITTLE PATUXENT PKWY.

PERMIT INFORMATION CHART

SUBDIVISION NAME	SECTION/AREA	LOT/PARCEL NO.
HOWARD COMMUNITY COLLEGE	117.84 AC.	47
PLAT NUMBER	ZONING	TAX MAP#
16125	POR & NT	35
WATER CODE	ELECT. DIST.	CENSUS TRACT
107	5TH	6056.02
	SEWER CODE	
	5525900	



APPROVED: Howard County Department of Planning & Zoning
 [Signature] 1-27-16
 Chief, Division of Land Development

[Signature] 2-4-16
 Chief, Development Engineering Division

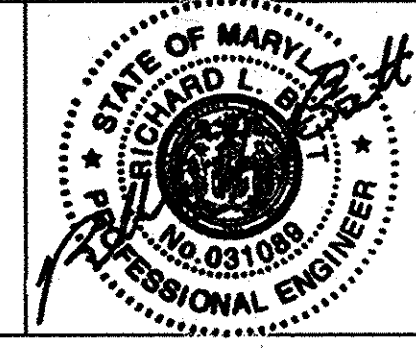
Rev: [Table with revision details]

By: [Signature]

Prepared For and Owner:
 Howard Community College
 10901 Little Patuxent Parkway
 Columbia, Maryland 21044
 ATTN: Mr. Chuck Nightingale
 410-772-4295

Project Name:
Howard Community College - East Parking Garage Expansion
 ENVIRONMENTAL CONCEPT PLAN
 PARCEL 47, TAX MAP 35, GRID 6
 TAX ACCOUNT # 045868
 HOWARD COUNTY, MARYLAND

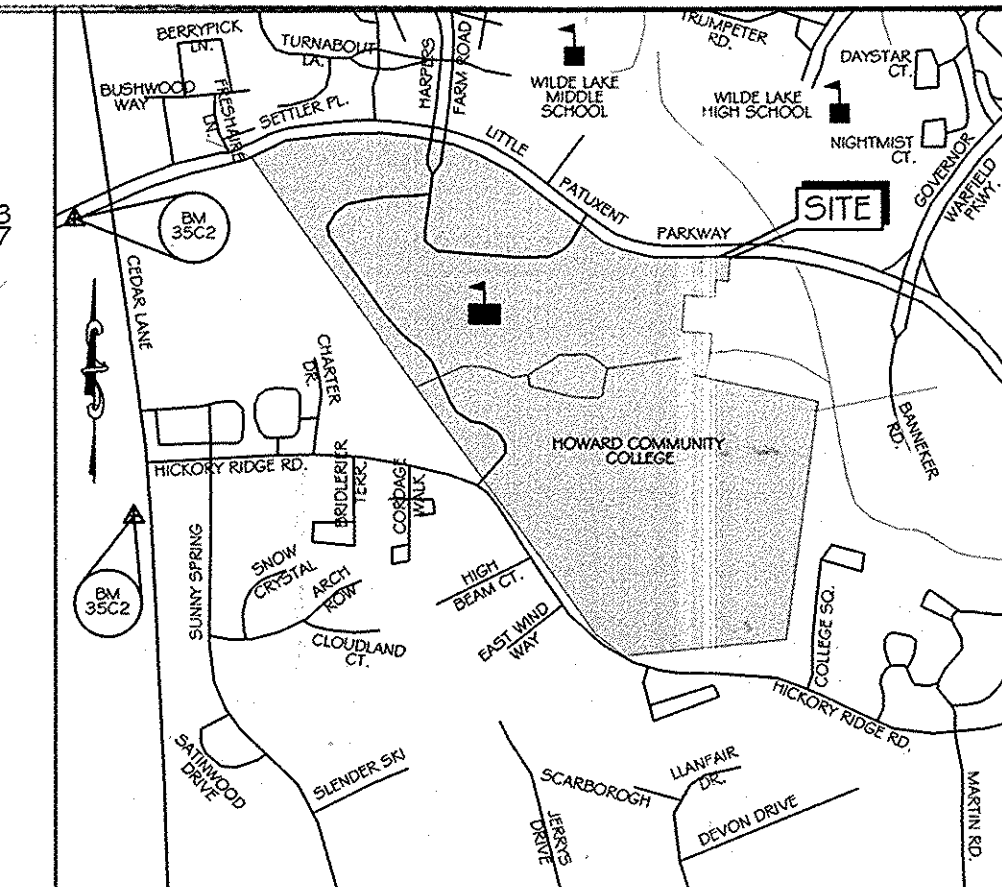
Date: 09-10-2015
 Scale: 1" = 200'
 Drawn By: C.T.B.
 Designed By: B.S.
 Approved By: R.T.B.
 Project No: 27146550
 Tax Map-Grid: 35-6
 Zoning: POR & NT



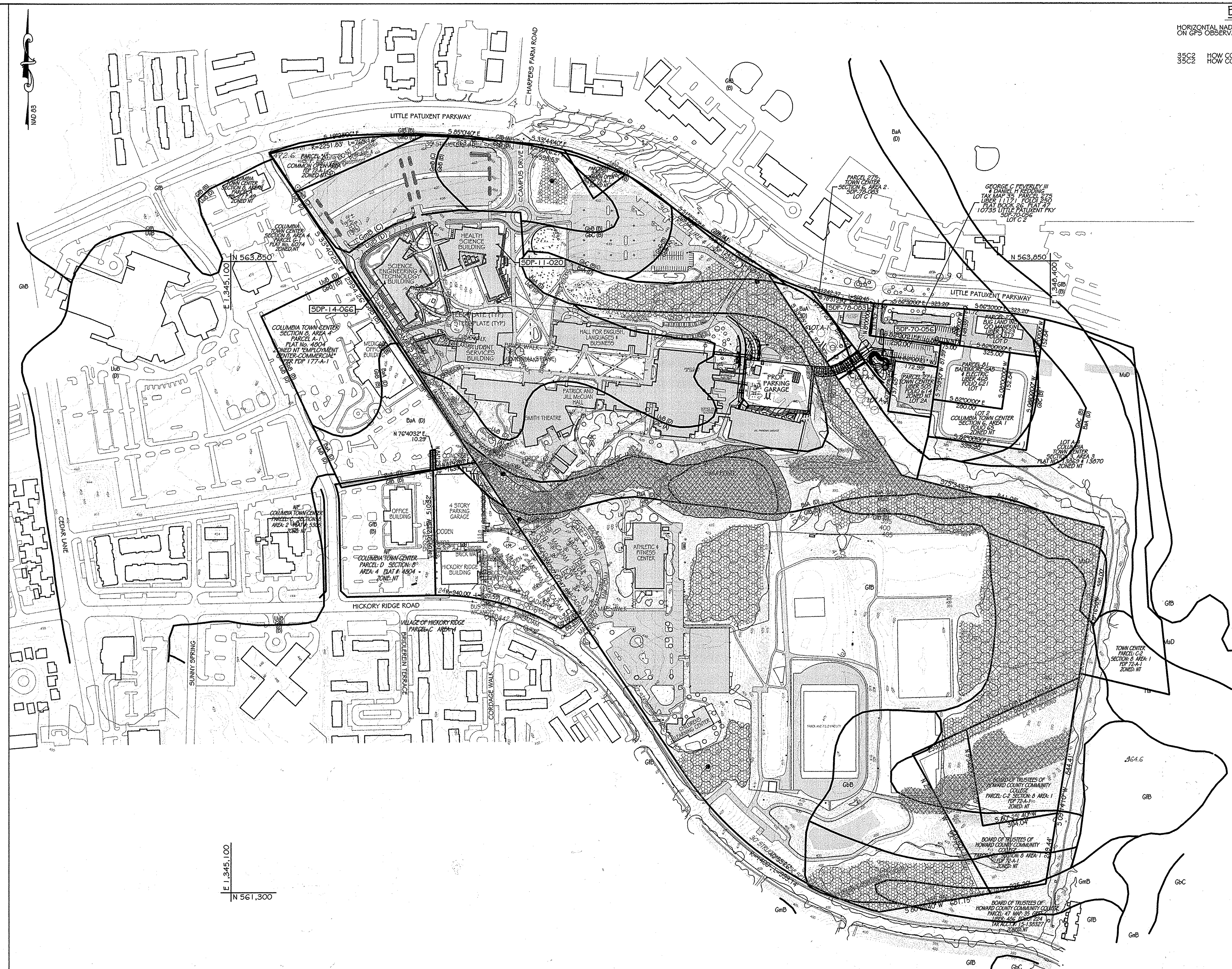
BENCHMARK DATA

HORIZONTAL NAD83(91) AND VERTICAL (NGVD29) CONTROL BASED ON GPS OBSERVATIONS, HOWARD COUNTY BENCHMARK NO. 5

	NORTHING	EASTING	ELEV.
35C2 HOW CO MON	563920.830	1344204.150	464.133
35C3 HOW CO MON	562148.450	1344554.472	452.267



VICINITY MAP
SCALE 1" = 1000'
ADC MAP: 4934 GRID: K7



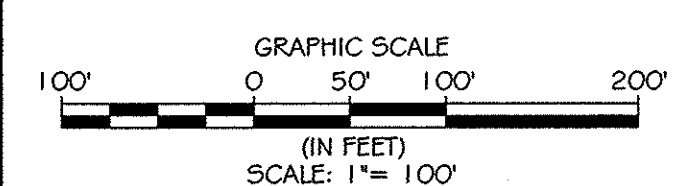
SITE IMPERVIOUSNESS SUMMARY

TOTAL PROPERTY AREA = 5,132,674.80 SQ. FT. (117.83 ACRES)
 ENVIRONMENTAL EASEMENT/BUFFER AREA = 1,364,299.20 SQ. FT. (31.32 ACRES)
 TOTAL DEVELOPABLE AREA = 3,768,375.60 SQ. FT. (86.51 ACRES)
 EXISTING IMPERVIOUS AREA = 1,623,046 SQ. FT. (37.26 ACRES)
 EXISTING FERVIOUS AREA = 3,509,629 SQ. FT. (80.57 ACRES)
 SITE IMPERVIOUSNESS: IMPERVIOUS AREA / DEVELOPABLE AREA
 SINCE THE EXISTING CONDITION IMPERVIOUSNESS IS GREATER THAN 40%, THE SITE IS CONSIDERED REDEVELOPMENT. 37.26 AC / 86.51 AC = 43%

LEGEND

- EX. SANITARY MANHOLE
- EX. STORM DRAIN MANHOLE
- EX. ELECTRIC MANHOLE
- EX. LIGHT POLE
- EX. WATER METER
- EX. SIGN
- EX. UTILITY POLE
- EX. BOLLARD POST
- EX. DECIDUOUS TREE
- EX. CONIFEROUS TREE
- EX. GAS VALVE
- EX. GUY WIRE
- EX. WATER VALVE
- EX. FIRE HYDRANT
- EX. CLEANOUT
- EX. 15" DRAIN
- EX. GAS
- EX. G' SANITARY
- EX. ELECTRIC
- EX. TELEPHONE
- EX. CABLE TV
- EX. 8" WATER
- SOIL LINES
- APPROXIMATE LIMITS OF FOREST CONSERVATION EASEMENT
- APPROXIMATE LIMITS OF ENVIRONMENTAL BUFFER AREA
- APPROXIMATE LIMITS OF IMPERVIOUS AREA
- LIMITS OF WETLAND AREA

OVERALL EXISTING CONDITIONS PLAN
SCALE: 1" = 100'



E 1,345,100
N 561,300



APPROVED: Howard County Department of Planning & Zoning
 [Signature] 1-27-16
 Chief, Division of Land Development
 [Signature] 2-4-16
 Chief, Development Engineering Division

Rev:	Date:	Description:	By:
1			
2			
3			
4			

Prepared For and Owner:
 Howard Community College
 10901 Little Patuxent Parkway
 Columbia, Maryland 21044
 ATTN: Mr. Chuck Nightingale
 410-772-4296

Project Name:
Howard Community College - East Parking Garage Expansion
 ENVIRONMENTAL CONCEPT PLAN
 PARCEL 47, TAX MAP 35, GRID 6
 TAX ACCOUNT # 048968 HOWARD COUNTY, MARYLAND

Date:	Scale:
09-10-2015	1" = 100'
Drawn By: C.T.B.	Designed By: B.S.
Approved By: R.T.B.	Project No: 27146850
Tax Map-Grid: 35-6	Zoning: POR & NT

Sheet Title:
OVERALL EXISTING CONDITIONS PLAN

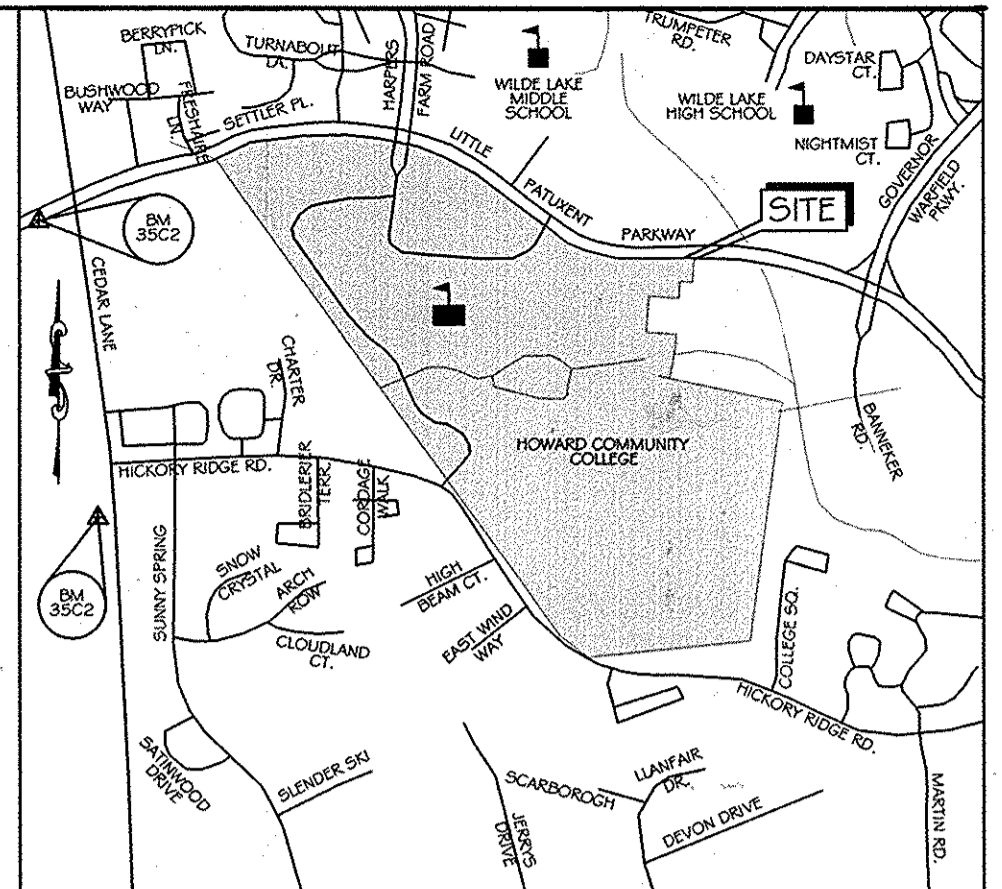
PROFESSIONAL CERTIFICATION. I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 31089 EXPIRATION DATE: 11/21/16

Discipline Number:
ECP-2
 Sheet Number:
2 OF 6

BENCHMARK DATA

HORIZONTAL NAD83/91 AND VERTICAL (NGVD29) CONTROL BASED ON GPS OBSERVATIONS. HOWARD COUNTY BENCH MARK NO. 5

	NORTHING	EASTING	ELEV.	
35C2	HOW CO MON	563920.830	1344204.150	464.133
35C2	HOW CO MON	562148.450	1344554.472	452.267



VICINITY MAP
SCALE 1" = 1000'
ADC MAP: 4934 GRID: K7

SOILS TABLE

SOIL UNIT	SOIL UNIT NAME	HYDROLOGIC SOIL GROUP	"K" VALUE
BaA	Baile Site Loam, 0 to 3 percent slopes	D	0.37
GbB	Gladstone Loam, 3 to 8 percent slopes	B	0.28
GfB	Gladstone-Urban land complex, 0 to 8 percent slopes	A	0.28
GfC	Gladstone-Urban land complex, 8 to 15 percent slopes	A	0.28
UuB	Urban land-Udorthents complex, 0 to 8 percent slopes	D	0.28

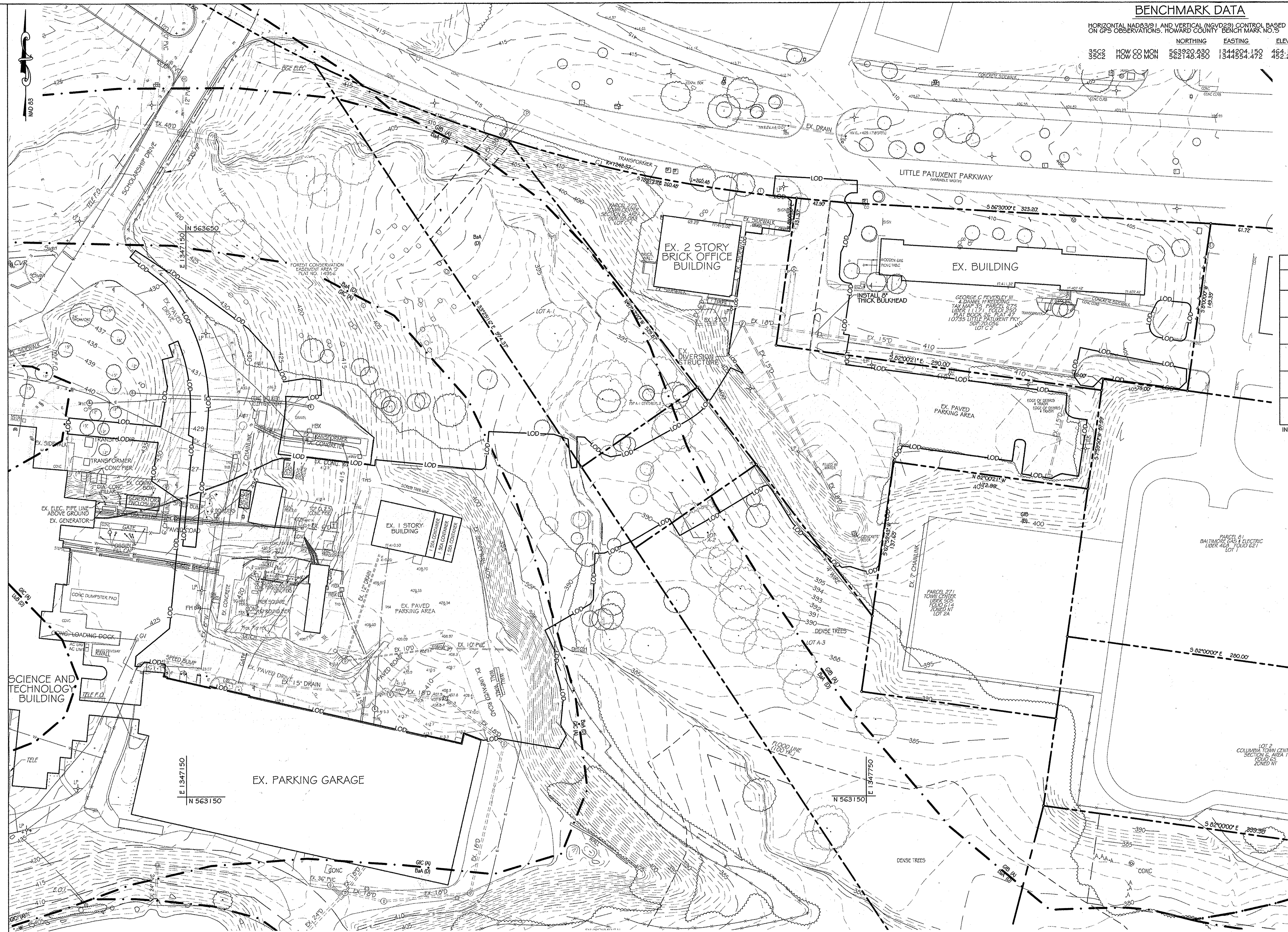
INFORMATION WAS FOUND USING THE USDA WEB SOIL SURVEY

L.O.D. IMPERVIOUSNESS SUMMARY

TOTAL AREA INSIDE THE L.O.D. = 153,158 S.F. (3.52 ACRES)
TOTAL IMPERVIOUS AREA INSIDE THE L.O.D. = 68,652 S.F. (1.56 ACRES)
TOTAL PERVIOUS AREA INSIDE THE L.O.D. = 84,506 S.F. (1.94 ACRES)

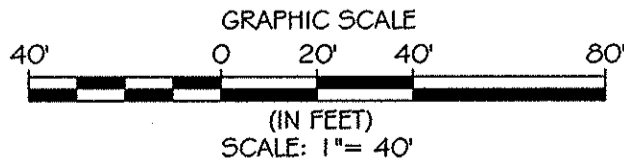
LEGEND

- PROPERTY LINE
- 460- EX. INDEX CONTOUR
- 456- EX. INTERMEDIATE CONTOUR
- EX. SANITARY MANHOLE
- EX. STORM DRAIN MANHOLE
- EX. ELECTRIC MANHOLE
- EX. LIGHT POLE
- EX. WATER METER
- EX. SIGN
- EX. UTILITY POLE
- EX. BOLLARD POST
- EX. DECIDUOUS TREE
- EX. CONIFEROUS TREE
- EX. GAS VALVE
- EX. GUY WIRE
- EX. WATER VALVE
- EX. FIRE HYDRANT
- EX. CLEANOUT
- EX. STORM DRAIN
- EX. GAS LINE
- EX. SANITARY
- EX. ELECTRIC
- EX. TELEPHONE
- EX. CABLE TV
- EX. 8" WATER
- EX. FENCE LINE
- EX. TREE LINE
- LOD --- AREA OF PROPOSED WORK
- BaA --- SOILS LINES
- GfB --- APPROXIMATE LIMITS OF IMPERVIOUS AREA
- APPROXIMATE LIMITS OF AREA WHERE SLOPE GRADE ≥ 25%
- APPROXIMATE LIMITS OF AREA WHERE SLOPE GRADE ≥ 15% AND < 25%



EXISTING CONDITIONS IMPERVIOUS AREA MAP

SCALE: 1" = 40'



APPROVED: Howard County Department of Planning & Zoning

Chuck Nightingale
Chief, Division of Land Development
Date: 1-27-16

Chuck Nightingale
Chief, Development Engineering Division
Date: 2-4-16

Rev:	Date:	Description:	By:
1			
2			
3			
4			

Prepared For and Owner:
Howard Community College
10901 Little Patuxent Parkway
Columbia, Maryland 21044
ATTN: Mr. Chuck Nightingale
410-772-4286

Project Name:
Howard Community College - East Parking Garage Expansion
ENVIRONMENTAL CONCEPT PLAN
PARCEL 47, TAX MAP 35, GRID 6
TAX ACCOUNT # 045868
ELECTION DISTRICT NO.5
HOWARD COUNTY, MARYLAND

Date: 09-10-2015
Scale: 1" = 40'
Drawn By: C.T.B.
Designed By: B.S.
Approved By: R.T.B.
Project No: 27146550
Tax Map-Grid: 35-6
Zoning: POR & NT

Sheet Title:
EXISTING CONDITIONS IMPERVIOUS AREA MAP

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: 11/21/16

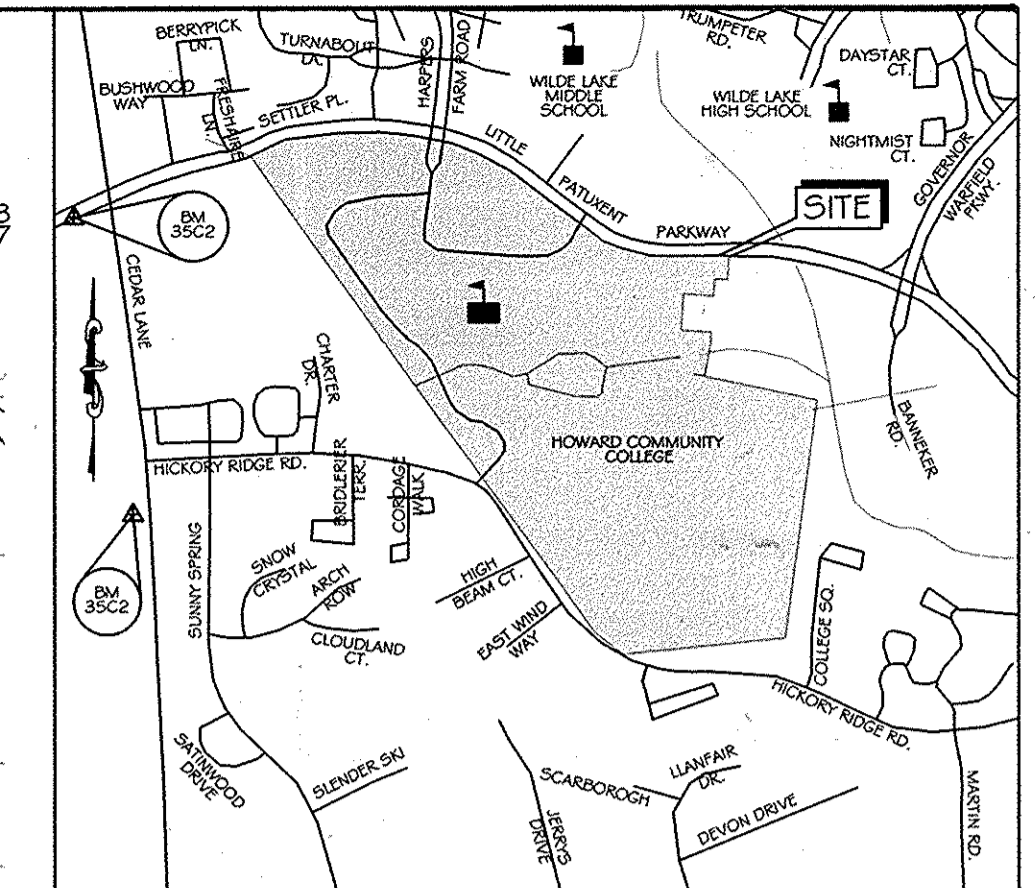
Discipline Number:
ECP-3

Sheet Number:
3 OF 6

BENCHMARK DATA

HORIZONTAL NAD83/11 AND VERTICAL (NGVD29) CONTROL BASED ON GPS OBSERVATIONS, HOWARD COUNTY BENCH MARK NO. 5

	NORTHING	EASTING	ELEV.	
35C2	HOW CO MON	563920.630	1344204.150	464.133
35C3	HOW CO MON	562148.450	1344554.472	452.267



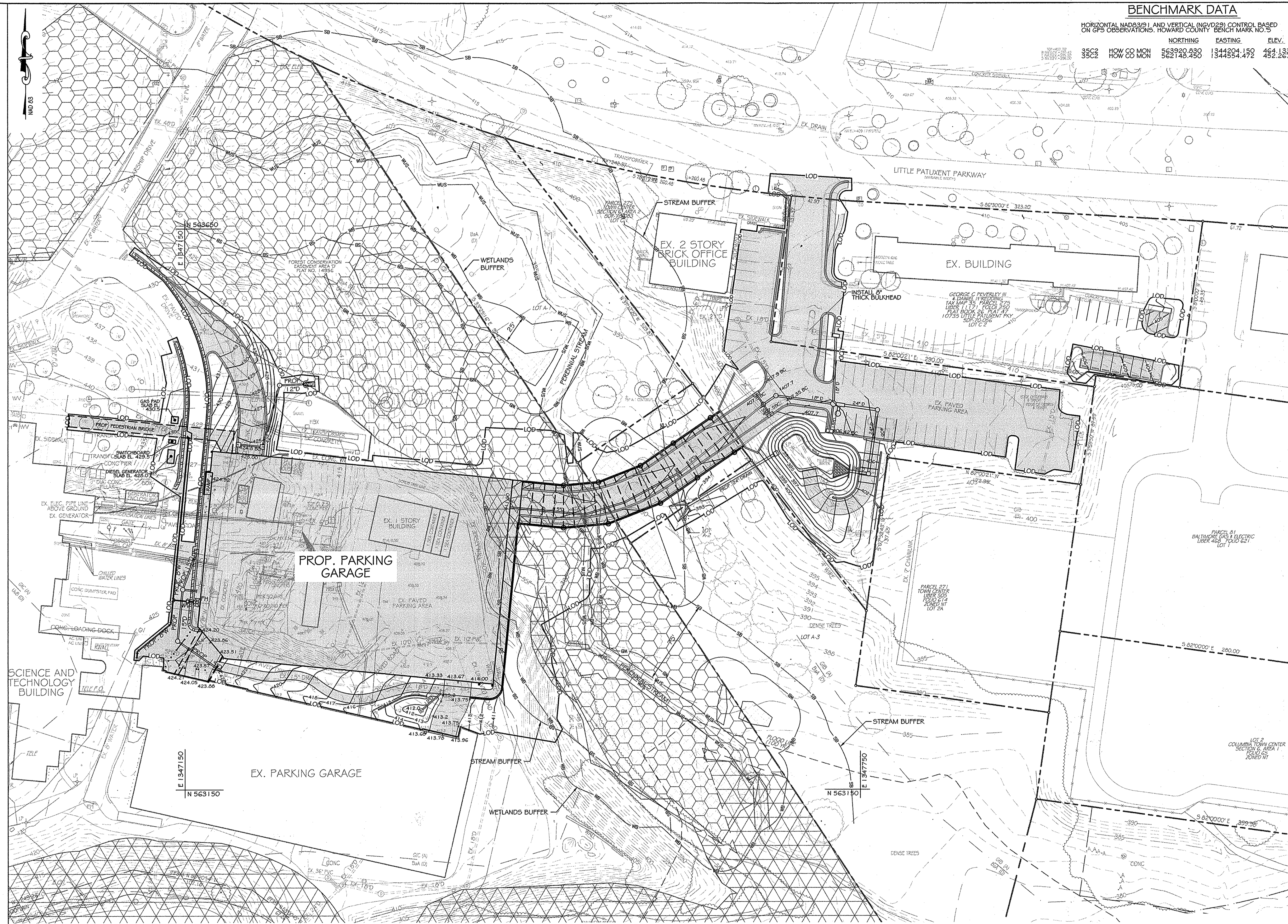
VICINITY MAP
SCALE 1" = 1000'
ADC MAP: 4934 GRID: K7

L.O.D. IMPERVIOUSNESS SUMMARY

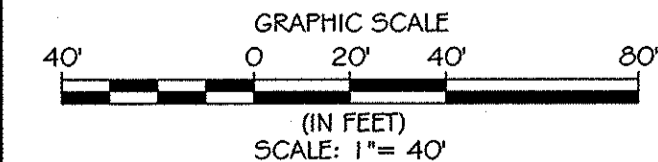
TOTAL AREA INSIDE THE L.O.D. = 153,159 S.F. (3.52 ACRES)
TOTAL IMPERVIOUS AREA INSIDE THE L.O.D. = 106,985 S.F. (2.46 ACRES)
TOTAL PERVIOUS AREA INSIDE THE L.O.D. = 46,174 S.F. (1.06 ACRES)

LEGEND

- PROPERTY LINE
- - - EX. INDEX CONTOUR
- - - EX. INTERMEDIATE CONTOUR
- - - EX. SANITARY MANHOLE
- - - EX. STORM DRAIN MANHOLE
- - - EX. ELECTRIC MANHOLE
- - - EX. LIGHT POLE
- - - EX. WATER METER
- - - EX. SIGN
- - - EX. UTILITY POLE
- - - EX. BOLLARD POST
- - - EX. DECIDUOUS TREE
- - - EX. CONIFEROUS TREE
- - - EX. GAS VALVE
- - - EX. GUY WIRE
- - - EX. WATER VALVE
- - - EX. FIRE HYDRANT
- - - EX. CLEANOUT
- - - EX. STORM DRAIN
- - - EX. GAS LINE
- - - EX. SANITARY
- - - EX. ELECTRIC
- - - EX. TELEPHONE
- - - EX. CABLE TV
- - - EX. WATER
- - - EX. FENCE LINE
- - - EX. TREE LINE
- LOD — AREA OF PROPOSED WORK
- - - 460 — PROP. CONTOUR
- - - 8" WATER — PROP. WATER
- - - 12" DRAIN — PROP. STORM DRAIN
- PROP. MANHOLE
- PROP. INLET
- ⊕ PROP. FIRE HYDRANT
- ⊕ PROP. WATER VALVE
- APPROXIMATE LIMITS OF IMPERVIOUS AREA
- APPROXIMATE LIMITS OF FOREST EASEMENT
- APPROXIMATE LIMITS OF ENVIRONMENTAL BUFFER



PROPOSED CONDITIONS IMPERVIOUS AREA MAP
SCALE: 1" = 40'



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: 11/21/16



APPROVED: Howard County Department of Planning & Zoning
Kurt D. ... 1-27-13
Chief, Division of Land Development

Rev:	Date:	Description:	By:
1			
2			
3			
4			
5			

Prepared For and Owner:
Howard Community College
10901 Little Patuxent Parkway
Columbia, Maryland 21044
ATTN: Mr. Chuck Nightingale
410-772-4296

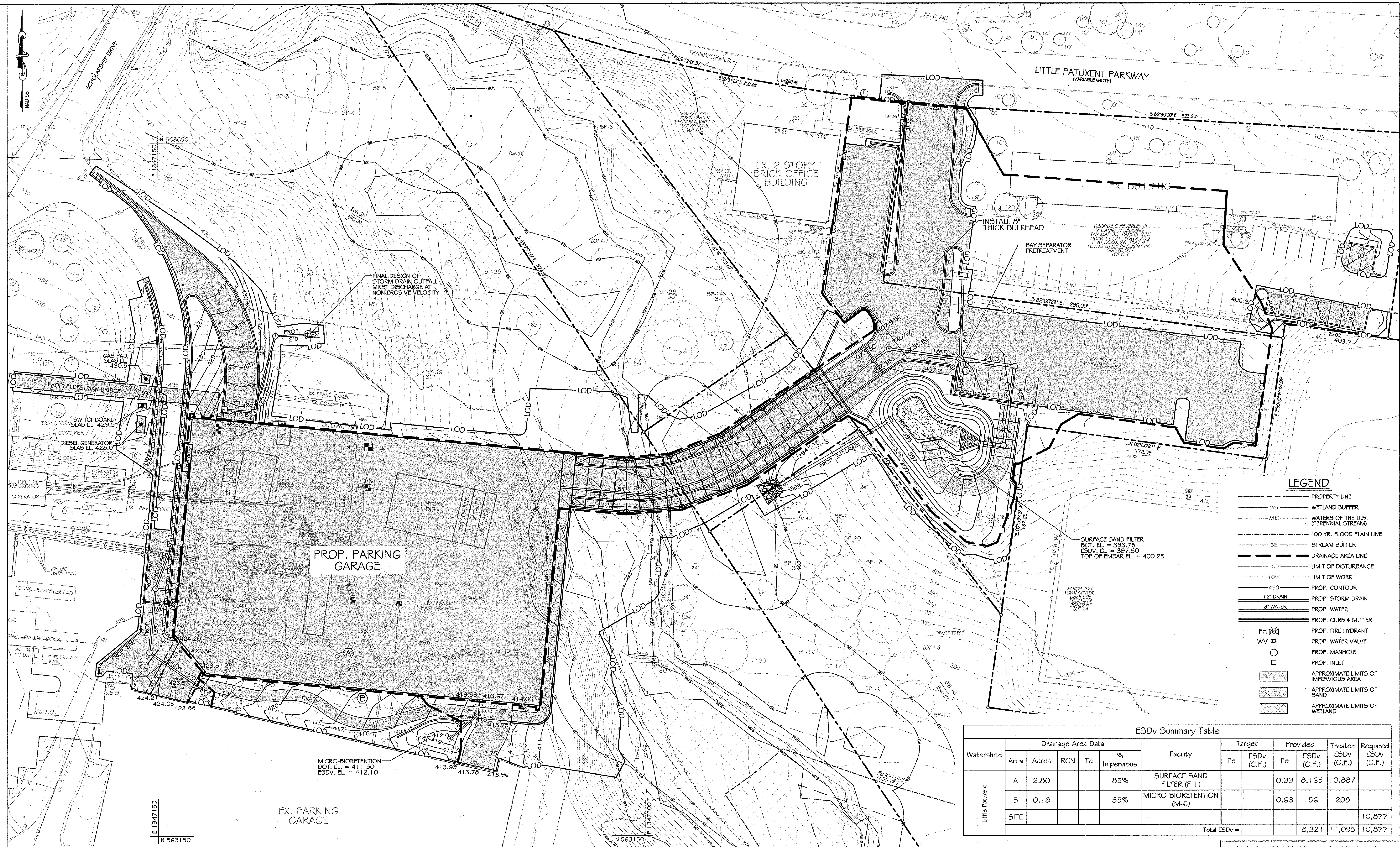
Project Name: **Howard Community College - East Parking Garage Expansion**
ENVIRONMENTAL CONCEPT PLAN
PARCEL 47, TAX MAP 35, GRID 6
TAX ACCOUNT # 045868
ELECTION DISTRICT NO.5
HOWARD COUNTY, MARYLAND

Date: 09-10-2015
Scale: 1" = 40'
Drawn By: C.T.B.
Designed By: B.S.
Approved By: R.T.B.
Project No: 27146550
Tax Map-Grid: 35-6
Zoning: POR & NT

Sheet Title: **PROPOSED CONDITIONS IMPERVIOUS AREA MAP**



Discipline Number: **ECP-4**
Sheet Number: **4 OF 6**



LEGEND

- PROPERTY LINE
- WB — WETLAND BUFFER
- WWS — WATERS OF THE U.S. (PERENNIAL STREAM)
- 100 YR. FLOOD PLAIN LINE
- SB — STREAM BUFFER
- DRAINAGE AREA LINE
- LOD — LIMIT OF DISTURBANCE
- LOW — LIMIT OF WORK
- 450' CONTOUR
- 12" DRAIN
- 8" WATER
- PROP. CURB & GUTTER
- FH — PROP. FIRE HYDRANT
- WV — PROP. WATER VALVE
- ⊗ — PROP. MANHOLE
- — PROP. INLET
- APPROXIMATE LIMITS OF IMPERVIOUS AREA
- APPROXIMATE LIMITS OF SAND
- APPROXIMATE LIMITS OF WETLAND

Watershed	Drainage Area Data					Facility	Target Pe	Provided		Treated ESDv (C.F.)	Required ESDv (C.F.)
	Area	Acres	RCN	Tc	% Impervious			ESDv (C.F.)	ESDv (C.F.)		
Little Patuxent	A	2.80			85%	SURFACE SAND FILTER (F-1)		0.99	8,165	10,887	
	B	0.18			35%	MICRO-BIORETENTION (M-6)		0.63	156	208	
	SITE										10,877
Total ESDv =									8,321	11,095	10,877

ENVIRONMENTAL SITE DESIGN PLAN

CONTRACTOR NOTE:
CONTRACTOR SHALL EXERCISE EXTREME CAUTION SO AS NOT TO DAMAGE ANY EXISTING PAVING, CURB & GUTTER, SIDEWALK OR OTHER SITE FEATURES WHICH ARE TO REMAIN. SHOULD DAMAGE OCCUR, CONTRACTOR SHALL REPAIR TO ORIGINAL CONDITION AT CONTRACTOR'S EXPENSE.

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: 11/21/16



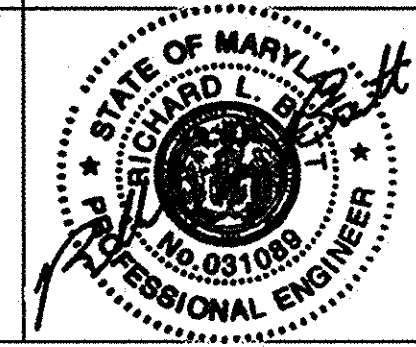
APPROVED: Howard County Department of Planning & Zoning
[Signature] 1-27-16
 Chief, Division of Land Development
[Signature] 2-4-16
 Chief, Development Engineering Division

Rev: Date: Description: By: Prepared For and Owner:
 Howard Community College
 10901 Little Patuxent Parkway
 Columbia, Maryland 21044
 ATTN: Mr. Chuck Nightingale
 410-772-4286

Project Name: **Howard Community College - East Parking Garage Expansion**
 ENVIRONMENTAL CONCEPT PLAN
 PARCEL 47, TAX MAP 35, GRID 6
 TAX ACCOUNT # 048868 HOWARD COUNTY, MARYLAND

Date: 09-10-2015 Scale: 1" = 30'
 Drawn By: C.T.B. Designed By: B.S.
 Approved By: R.T.B. Project No: 27146550
 Tax Map-Grid: 35-6 Zoning: POR & NT

Sheet Title: **ENVIRONMENTAL SITE DESIGN PLAN**

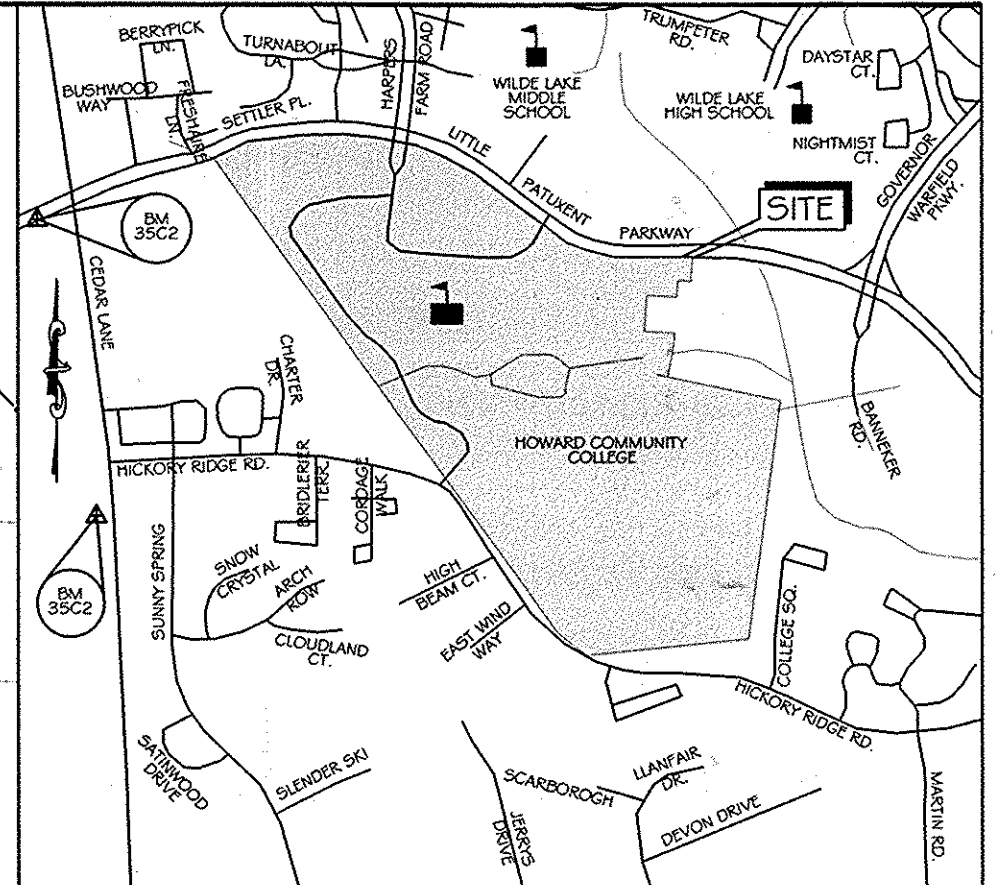


Discipline Number: **ECP - 5**
 Sheet Number: **5 OF 6**

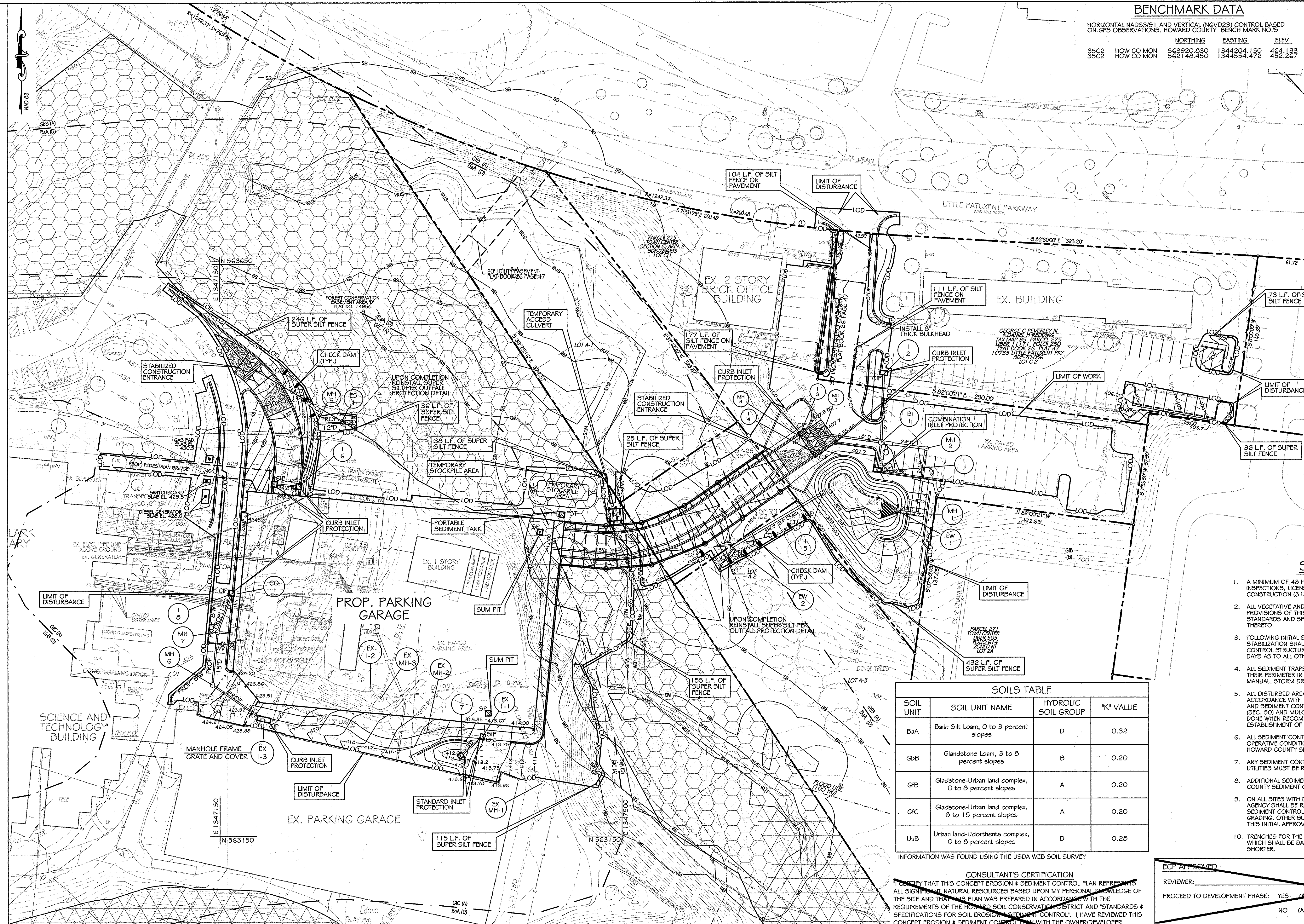
BENCHMARK DATA

HORIZONTAL NAD83/91 AND VERTICAL (NGVD29) CONTROL BASED ON GPS OBSERVATIONS. HOWARD COUNTY BENCHMARK NO. 5

	NORTHING	EASTING	ELEV.	
35C2	HOW CO MON	563920.830	1344204.150	464.133
35C2	HOW CO MON	562148.450	1344554.472	452.267



VICINITY MAP
SCALE 1" = 1000'
ADC MAP: 4934 GRID: K7



LEGEND

- AGIP [] AT-GRADE INLET PROTECTION
- CIP [] CURB INLET PROTECTION
- SIP [] STANDARD INLET PROTECTION
- COIP [] COMBINATION INLET PROTECTION
- PST [] PORTABLE SEDIMENT TRAP
- SPIT [] SUMP PIT
- CD [] CHECK DAM
- LOD [] LIMIT OF DISTURBANCE
- LOW [] LIMIT OF WORK
- SSF [] SUPER SILT FENCE
- SPOP [] SILT FENCE ON PAVEMENT
- WB [] 25' WETLAND BUFFER
- SB [] 75' STREAM BUFFER
- WUS [] WATERS OF THE U.S.
- [] STABILIZED CONSTRUCTION ENTRANCE
- [] APPROXIMATE LIMITS OF WETLANDS

SEDIMENT CONTROL NOTES

- A MINIMUM OF 48 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY DEPARTMENT OF INSPECTIONS, LICENSES AND PERMITS, SEDIMENT CONTROL DIVISION PRIOR TO THE START OF ANY CONSTRUCTION (513-1959).
- ALL VEGETATIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH THE MOST CURRENT MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL AND REVISIONS THERETO.
- FOLLOWING INITIAL SOIL DISTURBANCE OR RE-DISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN: A) 7 CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DIKES, PERIMETER SLOPES AND ALL SLOPES GREATER THAN 3:1, B) 14 DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
- ALL SEDIMENT TRAPS/BASINS SHOWN MUST BE FENCED AND WARNING SIGNS POSTED AROUND THEIR PERIMETER IN ACCORDANCE WITH VOL. 1, CHAPTER 12 OF THE HOWARD COUNTY DESIGN MANUAL, STORM DRAINAGE.
- ALL DISTURBED AREAS MUST BE STABILIZED WITHIN THE TIME PERIOD SPECIFIED ABOVE IN ACCORDANCE WITH THE 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR PERMANENT SEEDING (SEC. 51), SOD (SEC. 54), TEMPORARY SEEDING (SEC. 50) AND MULCHING (SEC. 52). TEMPORARY STABILIZATION WITH MULCH ALONE CAN ONLY BE DONE WHEN RECOMMENDED SEEDING DATES DO NOT ALLOW FOR PROPER GERMINATION AND ESTABLISHMENT OF GRASSES.
- ALL SEDIMENT CONTROL STRUCTURES ARE TO REMAIN IN PLACE AND ARE TO BE MAINTAINED IN OPERATIVE CONDITION UNTIL PERMISSION FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
- ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE.
- ADDITIONAL SEDIMENT CONTROL MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
- ON ALL SITES WITH DISTURBED AREAS IN EXCESS OF 2 ACRES, APPROVAL OF THE INSPECTION AGENCY SHALL BE REQUESTED UPON COMPLETION OF INSTALLATION OF PERIMETER EROSION AND SEDIMENT CONTROL, BUT BEFORE PROCEEDING WITH ANY OTHER EARTH DISTURBANCE OR GRADING, OTHER BUILDING OR GRADING INSPECTION APPROVALS MAY NOT BE AUTHORIZED UNTIL THIS INITIAL APPROVAL BY THE INSPECTION AGENCY IS MADE.
- TRENCHES FOR THE CONSTRUCTION OF UTILITIES IS LIMITED TO THREE PIPE LENGTHS OR THAT WHICH SHALL BE BACK-FILLED AND STABILIZED BY THE END OF EACH WORK DAY, WHICHEVER IS SHORTER.

SOILS TABLE

SOIL UNIT	SOIL UNIT NAME	HYDROLOGIC SOIL GROUP	"K" VALUE
BaA	Baile Silt Loam, 0 to 3 percent slopes	D	0.32
GbB	Glandstone Loam, 3 to 8 percent slopes	B	0.20
GfB	Gladstone-Urban land complex, 0 to 8 percent slopes	A	0.20
GfC	Gladstone-Urban land complex, 8 to 15 percent slopes	A	0.20
UuB	Urban land-Udortheints complex, 0 to 8 percent slopes	D	0.28

INFORMATION WAS FOUND USING THE USDA WEB SOIL SURVEY

CONSULTANT'S CERTIFICATION

I CERTIFY THAT THIS CONCEPT EROSION & SEDIMENT CONTROL PLAN REPRESENTS ALL SIGNIFICANT NATURAL RESOURCES BASED UPON MY PERSONAL KNOWLEDGE OF THE SITE AND THAT THIS PLAN WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD COUNTY CONSERVATION DISTRICT AND STANDARDS & SPECIFICATIONS FOR SOIL EROSION & SEDIMENT CONTROL. I HAVE REVIEWED THIS CONCEPT EROSION & SEDIMENT CONTROL PLAN WITH THE OWNER/DEVELOPER.

SIGNATURE: _____ MD LICENSE # _____
PRINT NAME: _____ DATE: _____

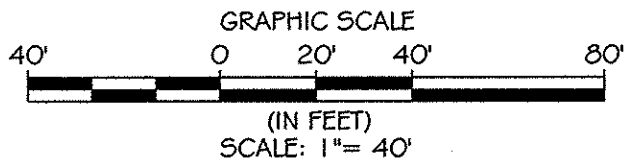
ECP APPROVED

REVIEWER: _____ DATE: _____

PROCEED TO DEVELOPMENT PHASE: YES (APPROVAL SUBJECT TO ADDRESSING COMMENTS ON NEXT PLAN PHASE)
NO (ADDRESS COMMENTS AND RESUBMIT PLANS)

CONTRACTOR NOTE:
CONTRACTOR SHALL EXERCISE EXTREME CAUTION SO AS NOT TO DAMAGE ANY EXISTING PAVING, CURB & GUTTER, SIDEWALK OR OTHER SITE FEATURES WHICH ARE TO REMAIN. SHOULD DAMAGE OCCUR, CONTRACTOR SHALL REPAIR TO ORIGINAL CONDITION AT CONTRACTOR'S EXPENSE.

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. 31 089 EXPIRATION DATE: 11/21/16



EROSION AND SEDIMENT CONTROL PLAN
SCALE: 1" = 40'



APPROVED: Howard County Department of Planning & Zoning
K. J. ... 1-27-16
Chief, Division of Land Development

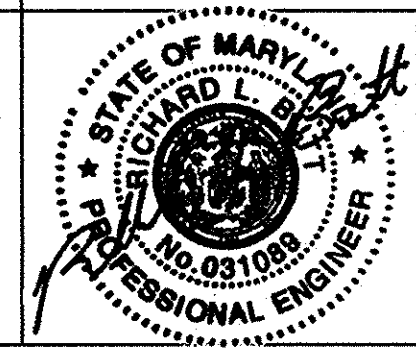
... 2-4-16
Chief, Development Engineering Division

Rev:	Date:	Description:	By:	Prepared For and Owner:
1				Howard Community College 10901 Little Patuxent Parkway Columbia, Maryland 21044 ATTN: Mr. Chuck Nightingale 410-772-4296

Project Name: **Howard Community College - East Parking Garage Expansion**
ENVIRONMENTAL CONCEPT PLAN
PARCEL 47, TAX MAP 35, GRID 6
ELECTION DISTRICT NO.5 HOWARD COUNTY, MARYLAND

Date: 09-10-2015
Scale: 1" = 40'
Drawn By: C.T.B. Designed By: B.S.
Approved By: R.T.B. Project No: 27146550
Tax Map-Grid: 35-6 Zoning: POR & NT

Sheet Title: **ENVIRONMENTAL CONCEPT PLAN EROSION AND SEDIMENT CONTROL PLAN**



Discipline Number: **ECP-6**
Sheet Number: **6 OF 6**