TAB B

Robert B. Schiesel, P.E.

Project Manager

Mr. Schiesel possesses significant transportation engineering and planning experience in both the public and private sectors. His experience includes multimodal analyses of large mixed-use plans and campuses, traffic impact studies, parking studies, traffic and parking forecasting, queuing analysis, traffic simulation, transportation demand management, and intelligent transportation systems planning. Projects Mr. Schiesel has been involved with include entertainment complexes, universities, churches, small and large commercial facilities, residential developments, government facilities and mixed-use developments.

Education

Master of Science: Civil Engineering, May 2000, *University of Virginia: Charlottesville, Virginia;*
Bachelor of Science: Civil Engineering, May 1998, *University of Virginia: Charlottesville, Virginia.*

Professional Registrations

Licensed Professional Engineer - Virginia #0402038965

Professional Associations

Member, Institute of Transportation Engineers, Member, Society for College and University Planning; Member, Midwest Campus Parking Association (MCPA).

Professional Presentations

"Campuses For All: Integrating Pedestrian and Vehicular Movement on Campus", SCUP North Central 2006 Regional Conference

Representative Experience

CAMPUSES AND MASTER PLANNING

Mr. Schiesel has developed transportation master plans, demand management plans, circulation studies, and parking studies for a number of University, Federal Agency and Hospital campuses, including The Holton-Arms School, the US Capitol House Office Buildings, Washington, DC; Georgetown University, Washington, DC; The George Washington University, Washington DC; The Ohio State University, Columbus, OH, The National Institutes of Health, Bethesda, MD; Indiana University, Bloomington, IN; Indiana University Purdue University Indianapolis, Indianapolis, IN; American University, Washington DC; and Howard University, Washington DC.

MULTI-MODAL ANALYSIS

Mr. Schiesel specializes in considering all modes while planning transportation system, including during the following projects; Nationals Ballpark Bicycle Valet, Washington, DC; DC Bike Master Plan, Washington DC, 10th Street Mobility Plan, Bloomington, IN; and The Ohio State University Crosswalks Study, Columbus, OH

TRAFFIC IMPACT STUDIES

Mr. Schiesel has conducted numerous traffic impact studies in support of rezoning, subdivision, site plan approvals and EIS applications for large and small residential, commercial, office retail and institutional developments. His work includes experience in Virginia, Maryland, and the District of Columbia.

MIXED-USE DEVELOPMENTS

Mr. Schiesel has provided transportation planning and engineering services for several large urban mixed-use developments, including: The Yards (former South East Federal Center), Washington, DC; CityCenterDC (former Convention Center Site) Washington, DC; Innovation Town Center, Manassas, VA; Parkside Mixed-Use Development, Washington DC; Southwest Waterfront, Washington DC, and Poplar Point, Washington, DC.

ENTERTAINMENT AND EVENT CENTERS

Mr. Schiesel has worked on numerous entertainment sites and event center, including as the lead transportation planner for Nationals Park in Washington DC. Other projects include Memorial Stadium, Bloomington, IN; Turning Stone Casino Resort, Verona, NY; and Meskwaki Casino, Tama, IA.

MEDICAL FACILITIES

Mr. Schiesel has provided transportation planning services for a variety of medical facilities, including The Ohio State University Medical Center in Columbus, OH; Indiana University-Purdue University, Indianapolis/Clarian Medical Center in Indianapolis, IN; Sibley Hospital in Washington, DC; Parkside Health Center in Washington, DC, and the University of Virginia Health Sciences District, Charlottesville, VA.

Daniel B. VanPelt, P.E., PTOE

Vice President and Principal

Mr. VanPelt has a wide range of traffic and transportation project experience including: traffic impact studies, site access and circulation planning, functional parking lot and garage design, parking demand analysis, corridor studies, campus master planning, major data collection efforts, loading dock design, intersection improvement design, signal design and signing and pavement marking design. He has worked for public, private and institutional sector clients throughout the United States and has worked internationally on projects in the United Arab Emirates, China, Venezuela, Brazil and Mexico.

Education

Master of Science in Civil Engineering, *Washington University in St. Louis*
Bachelor of Science in Civil Engineering, *Washington University in St. Louis*
Bachelor of Science in Physics, *Bethany College*

Professional Registrations

Licensed Professional Engineer – Virginia #0402 037160, Pennsylvania #PE074759, Maryland #36413, District of Columbia #PE904669, and West Virginia #18288

Registered Professional Traffic Operations Engineer

Professional Associations

Institute of Transportation Engineers (ITE); Society for College and University Planning (SCUP); International Council of Shopping Centers (ICSC); American Society of Civil Engineers (ASCE); NAIOP Northern Virginia; and Lambda Alpha International Land Economics Honor Society

Publications

ITE webinar presenter for "Multi-Modal School Site Planning, Design and Transportation for Primary Grades K-8." 2010
"Lots to Learn; Don't let parking and traffic problems sink your entertainment business," Casino Journal, December 2003, p. 28.

Representative Experience

CAMPUSES AND MASTER PLANS

Mr. VanPelt has developed transportation master plans, demand management plans, construction management plans, circulation studies, and parking studies for a number of universities, schools and institutions including the Calhoun Street East-Waterfront Area Plan, Charleston, SC; US Capitol Complex Master Plan, Washington, DC; The Capitol Visitor Center, Washington, DC; US Capitol House Office Buildings, Washington, DC; Princeton University Campus Framework Plan, Princeton, NJ; Yale University Medical District, New Haven, CT; Hartford Strategic Framework, Hartford, CT; Georgetown University McDonough Business School and Multisport Facility, Washington, DC; The National Cathedral Campus Plan, Washington, DC; FDA White Oak Campus Master Plan, White Oak, MD; The George Washington University Loudoun, Loudoun County, VA; The Bullis School, Potomac, MD; Alexandria Country Day School, Alexandria, VA; and The Phillips Collection, Washington, DC.

MIXED-USE AND COMMERCIAL DEVELOPMENTS

Mr. VanPelt has prepared traffic studies, parking analysis, site access planning, loading access design, site circulation planning and signal designs for projects including: Monument Ballpark, Washington, DC; Monaco I/II

and Sanremo, Jersey City, NJ; Children's Museum and Air Rights Buildings at L'Enfant Plaza, Washington, DC; Shamrock Business Center, Painesville, OH; Auyare I/II and Hacienda Santa Cruz, Caracas, Venezuela; Oaklawn in Leesburg, Leesburg, VA; Dubai International Finance Center, Dubai, UAE; 5th & K Streets NW, Washington, DC; and Journal Square Centre, Jersey City, NJ.

HOSPITALITY AND ENTERTAINMENT

Mr. VanPelt has worked on numerous hospitality and entertainment sites throughout North and South America. Projects include the St. Regis Mohawk Casino, Monticello, NY; Turning Stone Casino Resort, Verona, NY; Gaylord Texan, Grapevine, TX; Gaylord National Harbor, Prince George's County, MD; Mohegan Sun Casino Resort, Uncasville, CT; W Mexico City, Polanco, Mexico D.F.; Meskwaki Casino, Tama, IA; Marriott Orlando World Center, Orlando, FL; the Connecticut Convention Center, Hartford, CT; and Pikes Peak International Raceway, Colorado Springs, CO.

SHOPPING CENTERS AND MALLS

Mr. VanPelt has prepared traffic, parking, site access and site circulation studies for grocery stores, lifestyle centers, power centers, regional centers and urban retail including the Citadel Harris Teeter, Washington, DC; Mondawmin Mall Redevelopment, Baltimore, MD; DC USA Target and Best Buy, Washington, DC; Trotwood Town Center, Trotwood, OH; The Avenue Viera, Viera, FL; The Avenue Carriage Crossing, Collierville, TN; Woodbridge Center, Woodbridge, New Jersey; Kendall Town Center, Miami, FL; Summerlin Mall, Summerlin, NV; Chicago Premium Outlets, Aurora, IL; North Georgia Premium Outlets, Dawsonville, GA; Park Meadows Mall, Denver, CO; Owings Mills Mall, Owings Mills, MD; and Kittery Premium Outlets, Kittery, ME.

OFFICE AND RESIDENTIAL DEVELOPMENTS

Mr. VanPelt has worked on office and residential development projects involving site planning and access planning as well as the design of both traffic signals and parking garage facilities. Projects have included 1700 K Street NW, Washington, DC; City View Condos, Washington, DC; Westmoreland House at Huntington Metro, Alexandria, VA; Balmoral Residential, Prince William County, VA; Red Cedar, Loudoun County, VA.

PARKING STUDIES AND PARKING GARAGE DESIGN

Mr. VanPelt has performed parking needs studies and garage planning for projects such as the Dubai International Finance Center, Dubai, UAE; National Cathedral Bus Garage Design, Washington, DC; City View Condos, Hyattsville, MD; ER One Washington Hospital Center, Washington, DC; and Ronald Reagan National Airport, Arlington, VA.

TRAFFIC IMPACT STUDIES

Mr. VanPelt has conducted numerous traffic impact studies in support of rezoning, subdivision, site plan approvals and EIS applications for large and small residential, commercial, office retail and institutional developments. His work includes experience in Pennsylvania, Ohio, Virginia, Maryland, New Jersey, New York, Connecticut and the District of Columbia.

DATA COLLECTION STUDIES

Mr. VanPelt has conducted large-scale data collection efforts including traffic counts, pedestrian counts, vehicle classification counts, speed studies and origin-destination studies. Examples include managing a long-term data collection program for the New Jersey DOT in northern New Jersey and supervising data collection efforts at both the Lincoln and Holland Tunnels for the Port Authority of New York and New Jersey.

MEDICAL CAMPUS AND OFFICES

Mr. VanPelt has provided transportation master planning and traffic studies for a variety of medical facilities, including The Ohio State University Medical Center in Columbus, OH; Indiana University-Purdue University, Indianapolis/Clarian Medical Center in Indianapolis, IN; Sibley Hospital in Washington, DC; Reston Hospital in Reston, VA; and the ER-1 scalable prototype major emergency facility at Washington Hospital Center in Washington, DC.

Thomas A. Butcavage, AIA, LEED AP

Vice President

Tom leads the SmithGroup, Washington DC Learning Studio, a group of 40 architects and engineers focused on University projects nationwide. Tom has led the planning, programming and design for numerous law school projects over the past fifteen years. Noted for his ability to lead the dialogue from a variety of constituents while guiding the process to achieve consensus, Tom has developed law programs for many notable law schools. Tom is a frequent presenter at national academic design and planning conferences including the 2010 American Bar Association Bricks and Bytes Facilities Conference.

Education
Master of Architecture,
Columbia University, 1988

Lowenfish Memorial Prize for Design

Bachelor of Art in Art History and Economics, Swarthmore College, 1983

Registrations
Registered Architect

LEED Accredited Professional

University of North Carolina, Chapel Hill, School of Law, Chapel Hill, North Carolina

SmithGroup is design architect for a new 240,000 sf building on the Carolina North campus. SmithGroup conducted a planning and concept design study for the School of Law at the University of North Carolina, working collaboratively with the School to develop and articulate the project's vision in the context of the university's new sustainable expansion campus, Carolina North. New law school will include classrooms, a 250-seat auditorium, faculty offices, Law Library and student activity areas. Law School Programming and Planning/ Principal-in-Charge.

New York Law School, New York, New York

This 200,000 sf facility gives New York Law School a highly functional and attractive new physical identity. The new building includes a large auditorium and a multipurpose space, which will allow NYLS to host a wide variety of events, providing community access to lecture series, art exhibits and outreach programs. Once completed, the complex will create a cohesive architectural presence, announcing NYLS's engaging intellectual perspective and interactively enriching its civic context. Law School Programming and Planning/Principal-in-Charge.

Villanova University School of Law, Villanova, Pennsylvania

This 170,000 gsf law school includes classrooms configured for socratic and seminar methodology, a 45,000 nsf law library, both moot court and mock trial spaces, and amenities to support special colloquies and conferences. Law School Programming and Planning/Principal-in-Charge.

Ohio State University Moritz College of Law Feasibility Study, Columbus, Ohio

The feasibility study determined the space needs of the Moritz College of Law and provided a concept for updating the east façade of Drinko Hall, the home of the College of Law. Law School Programming and Planning/Principal-in-Charge.

Thomas A. Butcavage, AIA, LEED AP

Vice President

Indiana University School of Law and Law Library, Indianapolis, Indiana

A 185,000 gsf facility including a 70,000 sf law library, which is an important defining feature of the campus. Includes state-of-the-art technology, including multimedia classrooms and library facilities, and serves as a beacon, signifying the academic mission of the university. Project Manager/Designer.

Fordham University Law School, Program Review and Recommendations, New York, New York

SmithGroup was a consultant to the University to provide law school programming and planning for the new building. Law School Programming and Planning/Principal-in-Charge.

Pennsylvania State University Dickinson School of Law, Carlisle, Pennsylvania

Programming, planning and feasibility study for expanding and renovating the current law school. Issues include aligning the facility with its clearly stated mission, strengthening the educational connection to the main campus resources, and fitting the structures into a historical neighborhood. Law School Programming and Planning/Principal-in-Charge.

University of South Carolina, Law School, Columbia, South Carolina

A new 250,000 sf law school including law library. Services include site selection, architecture, and engineering. Law School Programming and Planning/Principal-in-Charge.

Binghamton University Law School Feasibility Study, Binghamton, New York

SmithGroup is providing space programming and pre-design services for a new law school at Binghamton University. Law School Programming and Planning/Principal-in-Charge.

University of Georgia School of Law Renovation Feasibility Study, Athens, Georgia

This study will provide recommendations and schematics for interior design; recommendations for circulation and programmatic improvements to facilitate and create community interaction in public spaces; and sustainability recommendations. Law School Programming and Planning/Principal-in-Charge.

University of Maryland School of Law Interiors, Baltimore, Maryland

Interior design services for 220,000 sf facility, with an emphasis on enhancing program goals and performance parameters. Design Principal.

The College of William and Mary Law School Library Renovation and Addition, Williamsburg, Virginia

A 33,000 sf addition to the Marshall-Wythe Law Library and a 36,500 sf renovation to the existing Library. The project will increase study, research, meeting and document production space for student and other library users to create adequate facilities for new technologies and staff to support them. Project Manager.

St. Mary's College of Maryland Anne Arundel Hall and Maryland Heritage Interpretive Center, St. Mary's City, Maryland

Anne Arundel Hall, originally built in 1954, will be demolished and replaced with a 33,700 gsf facility that advances academic programs that relate most directly to the cultural, civic, and anthropological legacies of Maryland's first capital. The adjacent 15,449 gsf Interpretive Center will replace the existing but outdated visitor center for Historic St. Mary's City. Design Principal/Academic Planning.

Gallaudet University, Sorenson Language and Communication Center, Washington, DC

This 85,000 gsf academic teaching and research facility includes classrooms, laboratories, clinics, libraries, and office space. Departments housed in the new Center include American Sign Language and Deaf Studies, and Hearing, Speech, and Language Sciences. LEED Certified. Design Principal.

St. Mary's College of Maryland Goodpaster Hall, St. Mary's City, Maryland

Architectural and MEP design services for a 57,000 sf state-of-the-art chemistry, psychology teaching and research laboratory for St. Mary's College of Maryland. The building supports the study of chemistry and psychology by providing class-

Thomas A. Butcavage, AIA, LEED AP

Vice President

rooms, computer rooms, a 70-seat lecture hall, a curriculum center for educational studies, laboratories for chemistry and psychology, and animal housing quarters. LEED Silver. Principal-in-Charge.

The Catholic University of America John K. Mullen Library, Washington, DC

Expansion of university library through adaptive use of 38,000 sf building for special ethnographics and cultural collections. Includes gallery, collections and museum storage, archives, and related academic programs. Project Manager/Designer.

George Washington University Elliott School of International Affairs, Washington, DC

A new 230,000 sf building contains a variety of classrooms, The Elliott School of International Affairs, executive education facilities, and a dormitory wing. The building occupies a prominent site in downtown Washington. Project Manager/Designer.

Indiana University-Purdue University Campus Center, Indianapolis, Indiana

The 260,000 sf student center affirms Indiana University-Purdue University, Indianapolis' (IUPUI) long-term goal to centralize its facilities and programs on one campus, which serves over 30,000 undergraduate, graduate and graduate professional students. The design incorporates the best ideas from student unions and centers across the country, emphasizing technology and computer connectivity and state-of-the-art design. Principal-in-Charge.

George Mason University, Founders Hall, Arlington, Virginia

A 260,000 sf academic building on George Mason University's, Virginia Square campus that will house the School of Public Policy, the Institute for Conflict Analysis and Resolution and academic and student support services. The building will also house a 300-seat auditorium, a 5,670-square-foot multipurpose room, a 438-seat library containing 100,000 volumes and three levels of underground parking that will include 443 new parking spaces. Design Architect.

George Washington University Marvin Center Renovation and Addition, Washington, DC

A 250,000 sf, $20 million conference, office, student center located within a tight urban campus. Architectural Team.

George Washington University Elliott School of International Affairs, Washington, DC

A new 230,000 sf building contains a variety of classrooms, The Elliott School of International Affairs, executive education facilities, and a dormitory wing. The building occupies a prominent site in downtown Washington. Project Manager/Designer.

George Washington University Smith School of Art, Washington, DC

A 50,000 gsf renovation of studios, classrooms, galleries and offices for The Robert and Clarice Smith School of Art. As part of the renovation, the studios and teaching spaces received new lighting, finishes and complete refurbishment. New student galleries were created in several of the public circulation areas with new lighting, wall and ceiling treatments and art display systems. Principal-in-Charge.

Georgetown University, Classroom Completion Project, Washington, DC

SmithGroup created a feasibility study, concept design, project budget and design tools that will assist the University in pursuing fundraising and eventual procurement and implementation for the renovation of two auditoriums within the Medical / Dental Building. The design includes tiered seating, and case discussion rooms. Principal-in-Charge.

David R.H. King, FAIA, LEED AP

Senior Vice President

David King is a Washington, DC-based architect whose design explores the relationships between form, material, and place — the tension between contemporary expression and the role of context, history, and community. He has played a prominent role in the planning and design of civic, commercial, academic and cultural commissions throughout the country, but especially in the nation's capital city — one of the most dominant and protected urban contexts in the world. His work is characterized by the clarity of its solutions, especially on complex project types, and by its responsiveness to clients' programs.

Education
Master of Architecture,
Harvard Graduate School of Design, 1977

Bachelor of Architecture with High Honor,
University of Texas, 1975

Registrations
Registered Architect

LEED Accredited Professional

NCARB

New York Law School, New York, New York

This 200,000 sf facility gives New York Law School a highly functional and attractive new physical identity. The new building includes a large auditorium and a multipurpose space, which will allow NYLS to host a wide variety of events, providing community access to lecture series, art exhibits and outreach programs. Once completed, the complex will create a cohesive architectural presence, announcing NYLS's engaging intellectual perspective and interactively enriching its civic context. Design Principal.

University of Utah College of Law, Salt Lake City, Utah

For this new 150,000 sf law school, SmithGroup is preparing a pre-programming facility study for the evaluation and verification of space needs, facility needs and site options. Includes the documentation of sustainability goals and opportunities as a guiding document for design, preparation of cost estimates, and preparation of conceptual graphics.

University of North Carolina, Chapel Hill, School of Law, Chapel Hill, North Carolina

SmithGroup is design architect for a new 240,000 sf building on the Carolina North campus. SmithGroup conducted a planning and concept design study for the School of Law at the University of North Carolina, working collaboratively with the School to develop and articulate the project's vision in the context of the university's new sustainable expansion campus, Carolina North. New law school will include classrooms, a 250-seat auditorium, faculty offices, Law Library and student activity areas.

Villanova University School of Law, Villanova, Pennsylvania

This 170,000 gsf law school includes classrooms configured for socratic and seminar methodology, a 45,000 nsf law library, both moot court and mock trial spaces, and amenities to support special colloquies and conferences. Design Principal.

David R.H. King, FAIA, LEED AP

Senior Vice President

Catholic University of America Columbus School of Law, Washington, DC

The winning entry in an invited competition. Involved the master plan and design of a sector plan containing the new 188,000 sf Columbus School of Law. Design Principal.

University of South Carolina, Law School, Columbia, South Carolina

A new 250,000 sf law school including law library. Services include site selection, architecture, and engineering. Design Principal.

Indiana University School of Law and Law Library, Indianapolis, Indiana

A 185,000 gsf facility including a 70,000 sf law library, which is an important defining feature of the campus. Includes state-of-the-art technology, including multimedia classrooms and library facilities, and serves as a beacon, signifying the academic mission of the university. Design Principal.

Baylor University Umphrey Law Center, Waco, Texas

Programming, site planning and design for 120,000 sf law school on a riverfront site. Project includes classrooms, law library, practice courts, computer labs, and administrative and faculty facilities. Design Principal.

Vanderbilt University School of Law, Nashville, Tennessee

Expansion and reconfiguration of law school and library linking two campus quads and the campus edge, which includes multimedia classrooms, trial advocacy facilities, and computer labs. New furniture specification installation and relocation coordination. Design Principal.

Ohio State University Moritz College of Law Feasibility Study, Columbus, Ohio

The feasibility study determined the space needs of the Moritz College of Law and provided a concept for updating the east façade of Drinko Hall, the home of the College of Law. Design Principal.

Binghamton University Law School Feasibility Study, Binghamton, New York

SmithGroup is providing space programming and pre-design services for a new law school at Binghamton University. Design Principal.

The College of William and Mary Law School Library Renovation and Addition, Williamsburg, Virginia

A 33,000 sf addition to the Marshall-Wythe Law Library and a 36,500 sf renovation to the existing Library. The project will increase study, research, meeting and document production space for student and other library users to create adequate facilities for new technologies and staff to support them. Design Principal.

Pennsylvania State University Dickinson School of Law, Carlisle, Pennsylvania

Programming, planning and feasibility study for expanding and renovating the current law school. Issues include aligning the facility with its clearly stated mission, strengthening the educational connection to the main campus resources, and fitting the structures into a historical neighborhood. Design Principal.

University of Pennsylvania Neural and Behavioral Sciences Building Phase I Study, Philadelphia, Pennsylvania

Provided integrated masterplanning and programming services and for the adjacent laboratory, teaching, office, and support spaces to be used by the Departments of Biology and Psychology in the Goddard, Leidy, and Lynch Laboratories. Creating a new gateway building at the southwestern edge of the University's campus. The project is targeting LEED certification with a target of Gold standard. Design Principal.

George Mason University, Founders Hall, Arlington, VA

A 260,000 sf academic building on George Mason University's, Virginia Square campus that will house the School of Public Policy, the Institute for Conflict Analysis and Resolution and academic and student support services. The building will also house a 300-seat auditorium,

David R.H. King, FAIA, LEED AP

Senior Vice President

a 5,670-square-foot multipurpose room, a 438-seat library containing 100,000 volumes and three levels of underground parking that will include 443 new parking spaces.

Indiana University-Purdue University Campus Center, Indianapolis, Indiana

A 250,000 sf campus center building for IUPUI, intended to centralize its facilities and programs on one campus, which serves over 27,000 undergraduate, graduate and graduate professional students.

Indiana University Computation and Information Building, Bloomington, Indiana

165,000 sf computer and information building featuring two technology training/seminar classrooms a 200-seat multimedia auditorium and a main computer room for enterprise systems and networks. Principal-in-Charge.

George Washington University Elliott School of International Affairs, Washington, DC

The new 350,000 sf building contains a variety of classrooms, The Elliot School of International Affairs, executive education facilities, and a dormitory wing. The building occupies a prominent site in downtown Washington. Design Principal.

George Washington University School of Business, Washington, DC

Consolidation and expansion of the Business & Public Management School. Approximately 150,000 sf and a combination of a new building and renovation of an existing one, it will provide new case study classrooms, a symposia center, research centers and institutes, a model NASDAQ trading center, as well as student, faculty, and administration spaces. Design Principal.

George Washington University School of Media and Public Affairs, Washington, DC

150,000 sf facility including a 400-seat auditorium equipped for live broadcasts, radio and TV studios, gallery, classrooms, faculty and administrative space and underground parking space. Design Principal.

St. Mary's College of Maryland Goodpaster Hall, St. Mary's City, Maryland

Architectural and MEP design services for a 57,000 sf state-of-the-art chemistry, psychology teaching and research laboratory for St. Mary's College of Maryland. The building supports the study of chemistry and psychology by providing classrooms, computer rooms, a 70-seat lecture hall, a curriculum center for educational studies, laboratories for chemistry and psychology, and animal housing quarters. LEED Silver Certification. Principal-in-Charge.

U.S. Fish & Wildlife Service National Conservation Training Center, Shepherdstown, West Virginia

Master planning and design of an 18-building, 365,000 sf training campus on a 500-acre site. Includes conference, classroom, laboratory and dormitory facilities. Principal-in-Charge.

University of Maryland Jeong H. Kim Engineering Building, College Park, Maryland

Design, lab planning and programming services for 155,000 gsf facility with classrooms, offices, high-bay labs, and state-of-the-art clean rooms. Design Principal.

Clemson University Sandhill Research & Education Center, Pontiac, South Carolina

A master plan for the new use of an existing 500-acre campus: to house Clemson's Institute for Economic and Community Development which serves to foster high learning, collaborative research and the relevant application for economic and community development for the State of South Carolina, addressing modern land use and responsible economic and sustainable development in a unique and sensitive ecosystem. Design of a new Research and Education Center. Targeting LEED Platinum. Principal-in-Charge.

TAB C

ZONING COMMISSION CASE NO. 11-07B - OUTLINE OF AMERICAN UNIVERSITY WITNESS TESTIMONY

David Taylor – American University, Chief of Staff, Office of the President

A. History of the Washington College of Law (WCL) and need for new facilities

B. Discussion of the community dialogue process and changes that have been made to the plan in response to issues raised during the community dialogue process

C. Historic Preservation Review Board's approval of the Conceptual Design Review application for the WCL facilities on October 27, 2011

David King, SmithGroup Architects – Project Architect for the Tenley Campus

A. Description of the Tenley Campus and the Surrounding Area

B. Detailed Description of the Proposed WCL Facilities

1. Stakeholder goals and design response

2. Retention and restoration of the historic Capital Hall and chapel

3. Retention of the Dunblane House

4. New buildings along Yuma Street and Nebraska Avenue

5. Treatment of open lawn space between Capital Hall and Tenley Circle

6. Maintenance of green space and significant landscaping

C. Satisfaction of Special Exception and Variance Relief Standards

1. Special Exception Standards – Section 210 of the Zoning Regulations

(a) No adverse impacts related to noise will result from the construction and use of the proposed WCL facilities on the Tenley Campus

(b) No adverse impacts related to other objectionable impacts will occur as a result of the construction and use of the proposed WCL facilities on the Tenley Campus

2. Variance Relief from the Setback Requirements of Section 400.9 of the Zoning Regulations Related to the New Nebraska Avenue Building

Daniel Van Pelt – Gorove/Slade Associates, Vice President and Principal, Transportation Engineer

A. Review of Transportation Impact Study and methodology used to prepare the study

B. Review of Transportation Impact Study recommendations and conclusions - No adverse impacts related to traffic and parking will occur as a result of the proposed WCL facilities on the Tenley Campus

Jorge Abud – American University, Assistant Vice President, Facilities Development and Real Estate

A. Review of Special Exception standards related to the number of students/faculty or staff and Continuing Legal Education (CLE) or Special Events - No adverse impacts related to the number of students/faculty/or staff will occur as a result of the proposed WCL facilities on the Tenley Campus

B. Conclusion - The proposed relocation of the WCL to the Tenley Campus and the construction of the WCL facilities on the Tenley Campus satisfy all of the Special Exception Standards enumerated in Section 210 of the Zoning Regulations

TAB D

LEED for New Construction v2009

Registered Project Checklist

American University Washington College of Law

Sustainable Sites — Possible Points: 26

Y	N	?			
Y			Prereq 1	Construction Activity Pollution Prevention	
1			Credit 1	Site Selection	1
5			Credit 2	Development Density and Community Connectivity	5
	1		Credit 3	Brownfield Redevelopment	1
6			Credit 4.1	Alternative Transportation—Public Transportation Access	6
2			Credit 4.2	Alternative Transportation—Bicycle Storage and Changing Rooms	1
2			Credit 4.3	Alternative Transportation—Low-Emitting and Fuel-Efficient Vehicles	3
	2		Credit 4.4	Alternative Transportation—Parking Capacity	2
		1	Credit 5.1	Site Development—Protect or Restore Habitat	1
1			Credit 5.2	Site Development—Maximize Open Space	1
1			Credit 6.1	Stormwater Design—Quantity Control	1
1			Credit 6.2	Stormwater Design—Quality Control	1
1			Credit 7.1	Heat Island Effect—Non-roof	1
1			Credit 7.2	Heat Island Effect—Roof	1
		1	Credit 8	Light Pollution Reduction	1

Water Efficiency — Possible Points: 10

Y			Prereq 1	Water Use Reduction—20% Reduction	
4			Credit 1	Water Efficient Landscaping	2 to 4
		2	Credit 2	Innovative Wastewater Technologies	2
3		1	Credit 3	Water Use Reduction	2 to 4

Energy and Atmosphere — Possible Points: 35

Y			Prereq 1	Fundamental Commissioning of Building Energy Systems	
Y			Prereq 2	Minimum Energy Performance	
Y			Prereq 3	Fundamental Refrigerant Management	
		19	Credit 1	Optimize Energy Performance	1 to 19
	5	2	Credit 2	On-Site Renewable Energy	1 to 7
2			Credit 3	Enhanced Commissioning	2
2			Credit 4	Enhanced Refrigerant Management	2
		3	Credit 5	Measurement and Verification	3
2			Credit 6	Green Power	2

Materials and Resources — Possible Points: 14

Y			Prereq 1	Storage and Collection of Recyclables	
	3		Credit 1.1	Building Reuse—Maintain Existing Walls, Floors, and Roof	1 to 3
	1		Credit 1.2	Building Reuse—Maintain 50% of Interior Non-Structural Elements	1
2			Credit 2	Construction Waste Management	1 to 2
	2		Credit 3	Materials Reuse	1 to 2

Materials and Resources, Continued

Y	N	?			
1		1	Credit 4	Recycled Content	1 to 2
2			Credit 5	Regional Materials	1 to 2
		1	Credit 6	Rapidly Renewable Materials	1
1			Credit 7	Certified Wood	1

Indoor Environmental Quality — Possible Points: 15

Y			Prereq 1	Minimum Indoor Air Quality Performance	
Y			Prereq 2	Environmental Tobacco Smoke (ETS) Control	
1			Credit 1	Outdoor Air Delivery Monitoring	1
		1	Credit 2	Increased Ventilation	1
1			Credit 3.1	Construction IAQ Management Plan—During Construction	1
		1	Credit 3.2	Construction IAQ Management Plan—Before Occupancy	1
1			Credit 4.1	Low-Emitting Materials—Adhesives and Sealants	1
1			Credit 4.2	Low-Emitting Materials—Paints and Coatings	1
1			Credit 4.3	Low-Emitting Materials—Flooring Systems	1
1			Credit 4.4	Low-Emitting Materials—Composite Wood and Agrifiber Products	1
1			Credit 5	Indoor Chemical and Pollutant Source Control	1
1			Credit 6.1	Controllability of Systems—Lighting	1
		1	Credit 6.2	Controllability of Systems—Thermal Comfort	1
		1	Credit 7.1	Thermal Comfort—Design	1
		1	Credit 7.2	Thermal Comfort—Verification	1
	1		Credit 8.1	Daylight and Views—Daylight	1
	1		Credit 8.2	Daylight and Views—Views	1

Innovation and Design Process — Possible Points: 6

1			Credit 1.1	Innovation in Design: Green Education Program?	1
1			Credit 1.2	Innovation in Design: Green Housekeeping Program?	1
		1	Credit 1.3	Innovation in Design: Green Pest Management?	1
		1	Credit 1.4	Innovation in Design: Specific Title	1
		1	Credit 1.5	Innovation in Design: Specific Title	1
1			Credit 2	LEED Accredited Professional	1

Regional Priority Credits — Possible Points: 4

1			Credit 1.1	Regional Priority: SS6.1	1
		1	Credit 1.2	Regional Priority: EA1 (40%) or EA2 (1%)	1
		1	Credit 1.3	Regional Priority: WE2	1
		1	Credit 1.4	Regional Priority: SS5.1	1

Total — Possible Points: 110

52	16	42	

Certified 40 to 49 points Silver 50 to 59 points Gold 60 to 79 points Platinum 80 to 110

TAB E

HISTORIC PRESERVATION REVIEW BOARD
STAFF REPORT AND RECOMMENDATION

Property Address:	**4340 Nebraska Avenue, NW**	X	Agenda
Landmark/District:	**Immaculata Seminary**		Consent Calendar
		X	Concept Review
Meeting Date:	**October 27, 2011**	X	Alteration
H.P.A. Number:	**11-467**	X	New Construction
Staff Reviewer:	**Steve Callcott**		Demolition
			Subdivision

SmithGroup Architects (David King and Tom Butcavage), representing American University's Washington School of Law, seeks concept review for renovation, alterations and new construction at the former Immaculata Seminary campus.

Property Description
The Immaculata Seminary was created on what was part of the early nineteenth-century Dunblane estate. In the early twentieth century, the Sisters of Providence of St. Mary of the Woods, a Catholic order, purchased the property to establish the Immaculata Seminary school for girls, and constructed an imposing school building (Capital Hall) facing Tenley Circle in 1904. The land between the new school and Dunblane was used as a recreational play area, with the former carriage drive retained as a walk and visual axis between the house and the school. During the 1920s, the school grew with the construction of a chapel and a dormitory wing to Capital Hall, and a garage and laundry building to Dunblane. In the mid 1950s, the campus was further enlarged by the construction of three buildings that surrounded the campus's lawn to form a central quad. A one-story addition was added to Dunblane in 1974. The complex served Immaculata from the school's opening in 1905 until it closed in 1986, when the property was sold to American University.

As detailed more fully in the HPO's evaluation of the nomination, the property is eligible for designation as an historic district. The Dunblane house (c. 1839), Capital Hall (1904, with a 1919 addition), the Chapel (1921), the site – the lawn in front of Capital Hall and the central quad with its axial relationship between these buildings -- are contributing to the character of the historic district. The 1950s buildings are non-contributing.

Proposal
The project will include renovation of the campus' flagship building, Capital Hall, for use as administrative offices, rehabilitation of the Chapel as a moot courtroom, demolition of the existing 1950s dorm and gymnasium buildings, and construction of approximately 240,000 square feet of additions to the rear and sides of Capital Hall along Nebraska Avenue and Yuma Street for classrooms, faculty offices, law clinics, a library, and student support spaces. Like the 1950s buildings, the new construction will be organized on the site to reinforce the central quadrangle and to retain the central axis formed by the

contributing historic buildings. The project will include significant site improvements, including regrading of the lawn in front of Capital Hall, tree retention and renewal of plantings in the central quad, and creation of a walk around the perimeter of the site with improved plantings. At this time, no specific treatment or use has been developed for Dunblane (1839) or the area immediately surrounding it at the western end of the property. The applicants' submission includes a more detailed description of the project.

Community Participation

At the request of ANC 3E and Councilmember Cheh, the Office of Planning facilitated a series of community meetings over the summer with AU representatives and their design team to discuss and provide input on the development of the design. In addition to Office of Planning and HPO staff, ANC 3E invited members of the Tenley Campus Neighborhood Association and Ward 3 Vision; the Tenleytown Historical Society (the applicant for the designation) and other community representatives also participated.

The purpose of the meetings was to ensure an open dialogue between the many stakeholders and to arrive at an appropriate balance between a variety of planning, preservation and programmatic goals. At the first meeting, the group identified and generally agreed upon the principles that they were interested in seeing embodied in the project. The design principles and goals included: 1) Maximizing connectivity to transit and Metro; 2) Retaining and restoring Dunblane and Capital Hall; 3) Ensuring that the new construction was compatible with the historic buildings, campus and neighborhood; 4) Achieving the School of Law's program in a building that embodied excellence in design and sustainability; 5) Locating building density closest to Metro, Wisconsin Avenue and Nebraska Avenue while minimizing building presence on Yuma and the western end of the campus around Dunblane; 6) Achieving the proper balance between encouraging density and discouraging sprawl with retaining and enhancing the classic characteristics of a college campus; 7) Ensuring porosity – the ability for the public to see and move through the site; and 8) Achieving superior public spaces, including using the front lawn in front of Capital Hall for a more public use, minimizing impervious surfaces, and maximizing tree canopy.

Evaluation

The concept proposal is the result of a process of redesign and refinement undertaken in response to the design principles and feedback gathered at the community meetings. The process has resulted in a project that is compatible with and enhances the historic character of the site, provides for the school's desired expansion, is respectful to the surrounding community, and substantively addresses the publicly-identified design goals.

When initially submitted to the Office of Planning, the proposal called for a large, single building in the center of the quad and no specific commitment that Dunblane would be retained. The new construction was out of scale with the site's historic buildings and the neighborhood, and ignored the organizing principles and landscape that give the site definition as a campus.