



Lawrence V Antoine, Jr , AIA, AICP

Principal Low Density Neighborhood Design Studio

During his 18 year career Mr Antoine has been involved in numerous urban planning and neighborhood revitalization projects throughout the United States. His proven design skills have been integral in the development of several neighborhood revitalization strategies for public housing authorities.

His relevant project experience includes

Mississippi Renewal Forum Biloxi Mississippi Torti Gallas participated in the Mississippi Renewal Forum organized by Governor Haley Barbour and the Congress for the New Urbanism for a post Katrina planning effort. The Torti Gallas team developed a design strategy for rebuilding the town of Gautier located on the eastern portion of the Mississippi coastline. Final presentations were delivered to the more than 200 participants residents local and state officials. Torti Gallas is continuing to work with Gautier council members and residents toward implementation of the proposed design.

City West Cincinnati Ohio Revitalization of a distressed public housing community. The revitalization replaces over 1000 mostly one bedroom apartments in a superblock with a pedestrian friendly neighborhood of rowhouses and duplexes for families of various incomes and lifestyles. This project has received numerous national design awards including a 2005 Builder's Choice Award, a 2005 Residential Architect Design Award, a 2004 Congress for the New Urbanism Charter Award, a 2004 American Institute of Architects Housing PIA Awards, and a 2003 U.S. Department of Housing and Urban Development New Face of America's Public Housing Award.

College Park Memphis Tennessee Revitalization of an existing public housing community which has been radically remade as a result of a 1994 HOPE VI grant. The site sits between an historic African American college, historic cemetery and single family neighborhood. A central design challenge was to marry the new development with this diverse context, particularly given the substantial increase in density between the development program and the surrounding single family community. The inspired design of the new units all patterned on local house types gives the character of the community that of a single family neighborhood. Small apartment buildings scaled to the size of the house, an innovative one story three bedroom unit borrow from and recreate the rich diversity of the adjacent neighborhood. A new senior building and a new community building were also completed adjacent to LeMoyne Owens College as part of the new community.

Bridgeton Neighborhood Revitalization New Jersey Torti Gallas is a part of a development team commissioned by the Bridgeton Housing Authority to revitalize various distressed areas of the city. Funded under a 2001 HOPE VI Grant from the U.S. Department of Housing and Urban Development, the revitalization program seeks to demolish and replace public housing in sites throughout the city. This is a unique program in that typical HOPE VI revitalizations concentrate on a particular housing development rather than scattered infill sites. One of the target sites is located in the largest historic preservation district in the State of New Jersey, adding another element to an already challenging and diverse project. The new housing consists of single family detached and twin units for renters and homeowners.

Villages at Noisette Creek North Charleston South Carolina Demolition of a 68 acre existing public housing development which is being replaced with 500 residential units consisting of single family detached homes and three apartment buildings for seniors. Also included in the program is the renovation of a community center and provision of office space.

Eastlake Neighborhood Revitalization Wilmington Delaware A new neighborhood design that involved the demolition of 267 units which are being replaced with 175 new rental and homeownership townhouses that connects this neighborhood to a wonderful city park.

Education

Master of Architecture 1996 University of Virginia

Master of Planning 1995 University of Virginia

Bachelor of Science in Architecture 1988 University of Virginia

Registration

Registered Architect Virginia #0401011573 2001

Certified Planner AICP #015189 1999

ZONING COMMISSION
District of Columbia
CASE NO.06-30
EXHIBIT NO.32G

Benjamin L. Allen, P E , P L S

Senior Project Manager/Senior Civil Engineer

Education

M S /1971/Systems Management/University of Southern California

B S /1968/Civil Engineering/Virginia Polytechnic Institute and State University

Registration

Professional Engineer (Civil) / MD / 10676 / 1977

Professional Engineer (Civil) / VA / 9168 / 1976

Professional Engineer (Civil) / DC / 8348 / 1984

Professional Land Surveyor / MD / 10862 / 1988

Affiliations

National Society of Professional Engineers Maryland Society of Surveyors Suburban Maryland Engineers Society
Chi Epsilon Honorary Fraternity

Capabilities

Mr. Allen has more than 33 years of experience as a civil engineer, land surveyor, and project manager for land development projects. Project examples include government, commercial/industrial, and residential developments including site planning and civil engineering designs for roads and drainage, water and sewer systems, stormwater management and sediment control, flood plain studies, and preliminary investigation/feasibility studies. As part of these experiences, he has been successful in obtaining permits from local agencies for the work in which he was managing. Mr. Allen has presented written and oral testimony to public bodies in behalf of developers in support of their projects. Also, he has had considerable experience in providing construction management and inspection services.

For seven years, Mr. Allen acted as an Engineering Project Manager with the USDA Agricultural Research Service where he was responsible for managing the design and construction program for new research facilities at locations in the Western half of the Country. As a Contracting Officer's Technical Representative (COTR), he became very familiar with the Federal Acquisition Regulations and in handling Government contracts for design and construction of major projects for USDA. This experience included his enrollment in the year-long Executive Potential Program with the USDA Grad School where he was given opportunities for visiting NAVFAC, USACE, and GSA for making improvements to the Quality Assurance Program at USDA. As part of this program, he spent a 60-day detail with the Corps of Engineers, Baltimore District Office and prepared the Quality Assurance Plan for the Army Research Lab in Adelphi, MD (300,000 SF, \$80 million) that was completed in construction in 1998.

Experience

Prince George's Metro Center IV, Hyattsville, MD: Civil Engineer for planning and engineering services for the coordination of over two MSF of mixed use development centered around a new main street to be called The



Boulevard The Boulevard will run between existing buildings of 1.2 MSF and convert this office park to an entertainment complex of retail, recreational and residential components \$1M 2009

Perimeter Security Project Senate Bollards Phase 6, Architect of the Capitol Washington DC Civil Engineer for final construction drawings and specifications for perimeter security measures through a park area in the vicinity of the US Capitol. Drawings and specifications are being prepared for a bollard/grade beam system in accordance with DOS K12 standards. Work also includes design of security lighting, utility duct bank, tree protection measures, erosion and sediment control measures, and Maintenance of Traffic plans. A topographic survey of the project area was prepared. Existing utilities were designated electronically and test holes were performed. A forester report was prepared to determine the physical condition of existing trees within the project area. (Fee \$300K)

Archdiocese for the Military Services, USA, The Michael Companies Inc. Lead Civil Engineer for building alteration project to change use from seminary dormitory to a multi-unit residence and business office for the Archdiocese. The alteration project includes additional parking, ADA accessibility, building addition for a garage, deletion of an existing driveway entrance, storm drain revisions, and new water service for fire protection. Provided initial upfront planning and analysis of the site. May require variance or special exemption through District of Columbia Zoning Advisory Board. (\$75K fee)

Multidiscipline IDC to Support the Baltimore District's Execution of BRAC 2005 at Fort Meade, MD, HOK Washington DC. Responsible for planning, civil engineering, AT/FP, Surveying, landscape architecture, hazardous materials, and NEPA services to support BRAC activities at Fort Meade. BRAC 2005 will include a wide range of projects including medical and non-medical laboratories and research facilities, data information management and electronic communications facilities, military testing facilities, hospitals and medical treatment facilities, administration facilities, warehouses, infrastructure upgrades, community support facilities, recreational and physical fitness facilities, and child development facilities. We have received five task orders to date. Water and Wastewater System Upgrades throughout Ft Meade, topographic and utility surveys for MILDEP Adjudication Activities Facility, survey and site design for Media and Publications Activity Building, surveys and civil design for D/B RFP for Defense Information Systems Agency, surveys and site design for 70th Intelligence Wing Headquarters. (G&O Contract Completion 2011)

VXX Presidential Helicopter Support Facility, Naval Facilities Engineering Command Atlantic, Patuxent NAS Station MD. Civil Engineer. Provided design including plans and specifications for construction of new 18,143 sqm eight-bay hangar facility for presidential helicopter development, testing, support and maintenance. Prepared final construction drawings and specifications for site construction for hangar building including 25,000 sqm concrete apron, new taxiway, and 440-space parking lot for air traffic control tower and addition to Building 1355, sewage lift station and 2,900 M force main, 2,800 M offsite water main extension, and relocation and widening of 3,000 M existing access road. Plans and specifications developed using SPECSINTACT and AutoCAD.

USDA National Plant Germplasm Quarantine Center (Phase II), General Services Administration NCR, Beltsville MD. Civil Engineer/Construction Inspector responsible for post design construction phase inspection for this project which includes site/civil infrastructure design for expansion of this Biolevel 3 laboratory greenhouse and screenhouse facility on 128 acres. Project included topographic survey, NEPA Environmental Assessment document, construction drawings and technical specifications for site demolition, sediment and erosion control, site grading, access road, parking lots, water sewer, storm drainage, stormwater management, NPDES NOI, forest conservation and security fencing. (\$18.5M)

Exploration Sciences Building /Goddard Space Flight Center, National Aeronautics and Space Administration Greenbelt MD. Project Manager/Civil Engineer for site development of a 200,000 NSF laboratory which will house chemistry and electronic instrument development laboratories, clean rooms, high bay assembly areas, computer rooms and administrative office space for approximately 900 scientists and support staff for the Space Sciences Directorate. Services include



construction drawings and specifications for all civil site development work storm water management concept plan and report participation in LEED certification issues wetland delineation and permitting forest stand delineation and forest conservation plans (\$350K Fee)

Food and Drug Administration Consolidation, General Services Administration NCR White Oak MD Civil Engineer for final site design of this multi phase project G&O provided environmental cultural resource and engineering services for the proposed construction of a consolidated facility for the US Food and Drug Administration Project consists of 2.6 MGSF of laboratory office and shared use space for the CDER CBER CDRH and OC sections of the FDA on 130 acres of the former NSWC property Provides engineering for this multi phase project including layouts for sanitary sewer potable water and storm drain systems stormwater management quantity and quality facilities grading studies forest stand delineations and forest conservation calculations and wetland delineations GSA Awarded the laboratory their Construction Excellence Award for projects over \$25M in construction value (\$108M) 2007

FDA Center for Food Safety and Applied Nutrition and Center for Veterinary Medicine, General Services Administration NCR College Park MD Project Manager/Civil Engineer for 410,000 GSF office and laboratory building to house scientific research activities of the FDA Services included preparation of sediment control plans and obtaining approval from MDE preparation of water and sewer connection plans and forest conservation plans revisions to client landscape plans within the stream areas and processing and expediting permits for all site construction through the WSSC Prince George's County DPW and MDE G&O received Excellence in Federal Design award from GSA (\$160K Fee)

Kenilworth Park National Park Service Washington DC Civil Engineer for a 200 acre national park redevelopment in an urban region along the Anacostia River basin Tasks included topographic mapping of the site utilizing aerial photography ground control aerial targets and supplemental ARC/INFO database conversion conceptual master planning schematic design plans construction documents site constraint mapping and environmental assessments The work included public hearings meetings with regulatory agencies and partnering with diverse neighborhood and conservation groups throughout the planning process

Presidential Helicopter Facility, Naval Facilities Engineering Command Atlantic Patuxent Naval Air Station MD Civil Engineer for project design including plans and specifications for construction of a new 18,143 sq ft 8 bay hangar facility for presidential helicopter development testing support and maintenance

FedEx Field Stadium Redskins Stadium Inc Landover MD Civil Engineer on this project which included civil engineering surveying environmental landscape architecture and transportation services on this fast track project Work includes conceptual engineering through construction documentation services for all on site and off site related improvements

Environmental Assessment for National Park Service National Park Service Washington DC Civil Engineer for various engineering services to the National Park Service Subconsultant to LDR International

Andrews Air Force Base Housing Design, FY-04 Sundt Construction Inc Andrews AFB MD Project manager for Civil/Landscape design Prepared site and civil engineering plans for 50 new single family units replacing existing units Schedule was fast paced to meet requirements for design build contractor Construction phase services were also provided to answer RFI's Stormwater Management and Erosion and Sediment Control Plans required approval of the Maryland Department of the Environment

Family Housing Andrews Air Force Base, FY 02/03, Sundt Construction Inc Andrews AFB MD Project manager for Civil/Landscape design Prepared site and civil engineering plans for 27 new duplex family housing buildings replacing existing housing and for renovation of 116 units Also included was the demolition of 283 East Base Housing units Schedule was fast paced to meet requirements for design build contractor Construction phase



services were also provided to answer RFI's. Erosion and Sediment Control Plans required approval of the Maryland Department of the Environment. SWM plans were waived based on an impervious area study prepared for the total building/demo package.

GSA Federal Headquarters Building, Moshie Safdie and Associates, 99 New York Avenue NE, Washington, DC. Project manager for new street design package. Prepared civil plans for new street construction of 2nd Street NE and N Street NE fronting Square 710. Included were new separate storm drain design to serve the new GSA building on Square 710 and new combined sewer systems for drainage of the new public streets and extensions of sanitary sewer systems to serve the new building. Design effort consisted of a mass excavation phase, a soil contamination remediation phase, and a building and street construction phase. The building construction design package included plans and specifications for site layout, paving, water sewer, storm drain, stormwater management, and sediment and erosion control. Deliverables were prepared in the metric system of measurement (2005/\$80M construction).

Lorton Correctional Complex Environmental, GSA Public Building Service, Lorton, VA. Civil Engineer. Prepared plans for relocation of the existing sewer system using pressure sewer pipes connecting to the public system to adapt to the smaller population of the Correctional facility in preparation of the closing of the facility, 2002.

MD 32 Airfield Road Interchange Detail Build, Cherry Hill Construction, Inc., Ft. Meade, MD. Project task manager for utility relocations. Relocations of existing water, sewer, and storm drain utilities to meet a fast pace construction schedule of the construction Contractor.

National Arboretum, Mahan Rykiel Associates, National Arboretum, Washington, DC. Project Manager for civil design. Civil site plans and related engineering drawings for the construction of the new Flowering Tree Walk on the Arboretum grounds (Meadow Section). Plans included storm water management plans to resolve an existing drainage problem at the outfall from the Meadow, approved by the DC Watershed Protection Division.

Nike Site, GSA Public Building Service, Consumer Public Safety Commission Lab Site, Gaithersburg, MD. Project Manager for civil planning. Prepared Master Plans for new development and 35% site plan for new storage facility in preparation of the procurement documents for a design-build contract to be done by others. Work included presentation of the master plan to neighbors in public hearings held at the site.

Republic Square, Republic Properties Corporation, Washington, DC. Project Manager for civil engineering services for a 9-story office building in the Central Business Area (NW) of Washington, DC. Services included design of loading and unloading areas and sidewalks within public spaces, design of new water and sewer service to the building, storm drain design, water quality design, and sediment and erosion control design. All plans were processed for approval by Washington, DC agencies and obtaining permits.

Walker Mill Business Park, Maryland Packaging, Inc., Walker Mill Business Park (Lot 19), Prince George's County, MD. Project Manager for civil design. Prepared civil site plan and related engineering plans for the new development of a Packaging facility in the I-3 zone of Prince George's County.

Ft. Myer Barracks Renewal, Buildings 250 & 251, U.S. Army Corps of Engineers, Baltimore District, Arlington, VA. Design-build project for the renovation of two existing barracks in the historic Old Post District of Ft. Myer. Civil Engineer for preparation of construction drawings and specifications for site demolition, new storm drain system, sanitary sewer and potable water service improvements to site grading, mitigation of eroded slopes, sidewalks, and ADA accessible entrances, brick-paver hardscape elements, and landscape plantings.

Family Housing Rehabilitation (Phases IV and V), Ft. Campbell, KY. Independent Technical Reviewer of contract documents for project including 86 housing units. Prepared specifications for civil and site improvements using U.S. Army Corps of Engineer Guide specifications. From our findings, we developed recommendations and plans to bring



all unit types up to current Army and private sector standards. Design solutions were developed to address the identified deficiencies and construction cost estimates prepared. Working drawings were prepared for unit renovations. All drawings were prepared on CADD. Worked with base personnel to ensure all project objectives were met.

EPA Research Center HOK Architects Research Triangle Park NC. Coordinated with State Highway officials for the preparation of driveway entrance plans. Plans indicated scope of work required by the construction contractor and scope of work to be accomplished by the North Carolina Department of Transportation (NCDOT). Design included widening two existing 24 foot wide state roadways to respective 36 foot wide and a 48 foot wide roadway sections including acceleration and deceleration lanes. Also included were signage and pavement marking plans. All plans required approval and permit processing of the NCDOT.

National Cancer Institute Laboratory Office Building, JVP Engineers Ft Detrick MD. Prepared topographic and utility survey and civil engineering plans for a 12 000 SF facility. Tasks included preparation of site grading and storm drain plan, water and sewer plan, stormwater management plan and sediment control plan that required approval of the Maryland Department of Environment. Grading design needed to consider shallow depth to bedrock which would keep the floor slab as high as possible and ADA accessibility requirements that required the slab as low as possible. Coordination with SAIC personnel and access to existing utility records allowed for the utility survey to be as complete as possible to serve the needs of the project. Sub surface geo technical study was conducted by subcontract with Engineering Consultants Services Ltd to identify parameters of foundation design for the structural consultant and to identify the extent of rock excavation. Construction phase services were also provided.

Bancroft Hall U.S. Naval Academy Naval Facilities Engineering Command EFA Chesapeake Annapolis MD. Civil project engineer for renovation which is planned to cover a 10 year duration. Eight of nine phases are completed to date. Bancroft Hall, a historical building with original construction dated to the early 1900s, houses the midshipmen and many support services. The size of the building and its constant use presented a challenge handled by the project team. Work included drawings and specifications for site and utility demolition, sediment control, potable and chilled water lines, construction phasing and staging areas, and site restoration. Also responsible for inspecting the 1.6 MSF hall for asbestos, lead, and mercury-containing paints, PCBs, and other hazardous materials. Cost estimates, detailed plans, and specifications for removal of hazardous materials from the residence hall were developed.

Family Housing Privatization Initiative Cabrillo Heights Naval Facilities Engineering Command Southwest Division Cabrillo Heights San Diego CA. Civil project engineer for a design build project for 900 family housing units, clubhouse, and recreational amenities at the 110 acre Cabrillo Heights site. The existing 812 housing units and associated utilities and roads will be demolished. Initial work consists of a Master Grading and Utility Plan for conceptual design of the entire site and a Master Phasing Plan to indicate a logical sequencing of the six construction phases. Portions of the existing housing units will remain occupied while new units are constructed.

Economic Analysis of Utility Systems Walter Reed Army Medical Center U.S. Army Corps of Engineers Baltimore District Washington DC. Preparing inventory of existing water, wastewater, and electrical utility systems at the main campus in Washington DC and at the Forest Glen annex site in Silver Spring Maryland. After receiving from local utility companies proposals for assuming ownership under a procedure for privatization, we are preparing an economic analysis of each proposal and making recommendations to the Government.

GSA Federal Buildings General Services Administration Washington DC. Civil engineer for preparation of a Preliminary Site Analysis Report to document the locations and capacities of existing utility systems and to determine the potential of those utilities to serve the project. Utilities studied included sanitary sewer, water, storm drainage/stormwater management, electric, and communications.



FDA White Oak General Services Administration White Oak Naval Surface Warfare Center Montgomery County MD Civil Engineer for civil engineering and environmental services for the Master Plan of a two MSF laboratory and office facility on a 130 acre parcel within the White Oak property Services included layouts for sanitary sewer potable water and storm drain systems stormwater management quantity and quality facilities grading studies forest stand delineations and forest conservation calculations and wetland delineations

FDA White Oak Final Design General Services Administration White Oak MD Project consists of two MGSF of laboratory office and shared use space for the CDER CBER CDRH and OC sections of the Food and Drug Administration on 130 acres of the former Naval Surface Warfare Center property in Montgomery County Civil Engineer for final site design of this multi phase project To date construction drawings and specification have been prepared for site and building demolition and the Phase 1 CDER laboratory Phase 2 CDER office complex and the Central Utility Plant The demolition bid package includes strategic removal of buildings utilities and roadways to clear areas for the initial phases of new construction while maximizing use of existing utilities roadways and parking lots by the initial phases of the project Drawings and specifications were prepared for site and building demolition restoration grading and sediment control Phase 1 CDER laboratory design and Phase 2 CDER office complex consists of site grading site layout truck access/loading dock drives storm drain sewer and potable water systems sediment control measures and stormwater management facilities Obtained MDE approval for sediment control stormwater management In addition a Master Concept Grading Plan and Master Concept Utility Plan of all phases of the 130 acre project have been prepared to act as a guideline for the design of the individual construction phases

Laboratory Division Building Federal Bureau of Investigation (FBI) Quantico VA Project consists of a new 460 000 GSF laboratory building and new 28 500 GSF central utility plant at the FBI Academy facility Senior Civil Engineer for site construction phase services consisting of review of contractor submittals site visits and general consultation Work also included design of water sewer storm drainage and grading for separate dining facility building that was subsequently added to the project Deliverables were prepared in the metric system of measurement

Classic Residence by Hyatt Forest City Development Company Chevy Chase MD Project Manager for civil engineering design for a high rise senior citizen home in prestigious location Tasks included site planning and engineering plans for storm drains water and sewer and sediment control on a site severely constrained by steep slopes and an adjoining flood plain Submitted testimony to Planning Board describing existing conditions and how environmental concerns could be mitigated

2501 Porter Street Apartment Building Richmarr Construction Company Washington DC Project manager for civil engineering design for a high rise apartment building which was to be converted to a condominium Tasks included site planning and engineering plans for storm drains water and sewer and sediment control and as built surveys to prepare condominium record plats

Metro Pedestrian Underpass Montgomery County Department of Transportation Bethesda MD Project Manager for civil engineering designs for establishing grades for the underpass within the Right of Way of the six lane Wisconsin Avenue and connecting to an adjacent Metro Rail station Considerable involvement was spent on locating existing utilities in the street and in locating the structure to avoid utility relocations that included water and sewer lines electric and telephone ducts storm drains and gas lines some of which dated back over 50 years Restoration plans were prepared following Planning Board mandated landscape requirements for the Bethesda business district

Washington Metropolitan Area Transit Authority (WMATA) Parking Deck KCCT Architects Wheaton MD Project manager for site planning and civil engineering designs of access roads storm drains water and sewer relocations and sediment control following WMATA guidelines Traffic control plans were prepared to maintain traffic at this location in the Wheaton Plaza Shopping Mall



National Lutheran Home for the Aged National Lutheran Home Rockville MD On a 10 acre site adjacent to a private golf course this facility was to accommodate for over 200 residents Tasks included on site stormwater management sediment control and storm drain water and sewer design Sewer outfall design approximately 2 000 LF was necessary through the adjacent golf course where it was necessary to avoid landscaped improvements

Colesville Shopping Center Kramer Enterprises Silver Spring MD Project Engineer for site planning and civil engineering designs for water and sewer storm drain stormwater management and sediment control for a Giant Food Grocery Store and adjacent shopping center on approximately five acres Particular attention was given to maximizing parking area to allow for the maximum size development and holding to zoning and landscape requirements Coordination with State Highway Administration was necessary for locating three driveway entrances where the State would allow crossovers

Highlands of Darnestown Residential Subdivision W T Pierson Jr Trustee Montgomery County MD Project Manager for the subdivision plans percolation testing and civil engineering designs for roads and drainage on this 100 acre site allowing for two acre residential home sites Prepared flood plain study on portions of land with a perennial stream with over 60 acres drainage area Prepared surveys record plats and easement documents for public storm drains driveways and septic fields in various locations Prepared site plans for the builder and provided stakeout surveys and final house location surveys

Belvedere Residential Subdivision Monroe Development Corporation Potomac MD Project Manager for the subdivision plans percolation testing and civil engineering designs for roads and drainage on this 70 acre site allowing for two acre residential home sites Prepared surveys record plats and easement documents for public storm drains driveways and septic fields in various locations Prepared site plans for the builder and provided stakeout surveys and final house location surveys

Woodmore Meadows Residential Subdivision 437 Land Company Prince George's County MD Project Manager for the subdivision plans percolation testing and civil engineering designs for roads and drainage on this 60 acre site allowing for approximately 25 two acre residential home sites Prepared surveys record plats and easement documents for public storm drains driveways and septic fields in various locations Prepared site plans and detailed septic designs for the builder and provided stakeout surveys and final house location surveys

Briggs Chaney Road Relocation Montgomery County Department of Transportation Fairland MD Project Manager for surveying and civil engineering design for this ¾ mile arterial road using AASHTO design guides Prepared stormwater management facilities with quantity and quality controls Prepared record plats for acquisition of right of ways Prepared traffic control plans and sediment control plans for this project which was located in an area tributary to Paint Branch that is a Class III stream

Ft Buchanan, Puerto Rico Naval Facilities Engineering Command Atlantic Division Fort Puerto Rico Preparing civil designs for a 69 135 SF facility consisting of five buildings on a 10 acre site with a 168 space parking lot to accommodate 400 personnel Tasks included preparation of site plan grading and storm drain plans water and sewer plans and sediment control plans submitted in conformance to NAVFAC Atlantic requirements Coordinated with surveyor and geotechnical engineer in the local area and the Environmental Quality Board in San Juan that administers reviews and issues permits for the control of erosion and prevention of sedimentation Interesting design challenges included connecting new storm drainage to existing roadside drainage ditches incorporating geotechnical findings of expansive soils of the subgrade in pavement and structure foundation specifications and coordinating phasing of construction of some parking area and underground utilities Site and grading plan was in compliance with the Uniform Federal Accessibility Standards (UFAS) for the physically disabled

Post Museum, Building 4674 Fort Meade MD Prepared construction plans for providing infrastructure and for phased construction of building additions to the post museum Tasks included site and grading plans storm drain plans water and sewer plans sediment control plans and landscape plans



Pope AFB, NC U S Army Corps of Engineers Savannah District Ft Bragg NC Provided planning service for determination of location and scope of security fence and gates with road improvements along perimeter of the Fort Bragg installation encompassing approximately 23 000 LF

Dale Bumpers National Rice Research Center U S Department of Agriculture (USDA) Agricultural Research Service (ARS) Stuttgart AR Responsible for the administration of contracts for design and construction of this major construction project In the capacity as an Engineering Project Manager with the USDA and as a Contracting Officer's Technical Representative administration of the contracts were in compliance with Congressional Appropriations and the Federal Acquisition Regulations Responsible for project development in the preparation of project requirements scope and budget requirements prior to initiating contracts Responsible for monitoring construction and to resolve technical and contractual matters on behalf of the USDA contracting officer Responsible for final inspection and acceptance of the facility As a first in USDA ARS conducted the day long Partnering Workshop with the architect construction contractor and building user which resulted in a Partnering Charter signed by all parties whereby it was agreed that the project should be brought to completion in the soonest time possible without delays due to any contract disputes



**CHRISTOPHER L KABATT, P E
SENIOR ASSOCIATE**

PROFILE

Mr. Kabatt has 10 years of experience in traffic parking and transportation planning and engineering. He has worked for both private developers and public sector clients. This experience includes traffic impact studies, travel demand management studies, capacity analyses, directional distribution analyses, parking analyses and design, and data collection activities. Mr. Kabatt has provided expert testimony before administrative hearing officers, citizens groups, planning commissions, and zoning commissions.

EXPERIENCE

Capacity Analyses Conducted capacity analyses using Highway Capacity Software, Synchro, and Critical Lane Volume methodologies. These analyses include intersections, ramps, and weaving sections.

Directional Distribution Analyses Analyzed the directional distribution for large and small developments including Plano Center, Plano, Texas; FedEx Field, Landover, Maryland; Rock Spring Centre, North Bethesda, Maryland; Potomac Station Mixed Use, and Leesburg, Virginia.

Parking Analyses/Design Assisted in conducting parking needs feasibility and shared use studies for commercial and residential developers, including the District of Columbia, Arlington County, Fairfax County, and Montgomery County.

Data Collection Activities Supervised traffic impact studies including turning movement counts, license plate surveys, parking counts, and parking occupancy counts.

Traffic Impact Studies Conducted numerous traffic impact studies for large and small residential, commercial, and mixed use projects in the Washington metropolitan area. This includes preparation of reports and expert testimony in support of rezoning, subdivisions, site plan approvals, and comprehensive plan and proffered condition amendments. Prepared tables, charts, and graphics using spreadsheet programs and AutoCAD. Local experience includes studies in Loudoun, Fairfax, and Arlington Counties, Virginia; Montgomery County, Maryland; the cities of Leesburg, Rockville, and Gaithersburg; and the District of Columbia.

Travel Demand Management Studies Developed travel demand management programs including group riding transit, flexible work hour and other actions for development projects in Arlington County Virginia and Washington D C

REGISTRATIONS Registered Professional Engineer in Virginia

EDUCATION Bachelor of Science Civil Engineering The Pennsylvania State University University Park Pennsylvania December 1996

AFFILIATIONS Institute of Transportation Engineers

EMPLOYMENT HISTORY

2003 – Present **Wells & Associates, LLC**
McLean, Virginia
Senior Associate
Coordinate the work of several professionals and/or non professionals
Perform advanced specialized engineering/planning work Plan schedule and conduct detailed phases of projects Review the work of associates for technical accuracy and appropriateness of approach

1997 – 2003 **Wells & Associates, LLC**
McLean, Virginia
Associate
Responsible for transportation planning traffic engineering analyses project administration and supervision of data collection activities

1994 – 1996
Summers **The Pennsylvania Department of Transportation**
Saint David's, Pennsylvania
Engineering and Science Technical Intern
Responsible for traffic studies technical analyses and rating roads



Steven E. Sher, Director of Zoning and Land Use Services, has more than 30 years' experience as the leading consultant in the Zoning Regulations and development processes in the District of Columbia. For more than 18 years, he has advised developers and property owners on the interpretation and application of development regulations and approval processes in the city. He has appeared as an expert witness in zoning and planning before the District of Columbia Zoning Commission, Board of Zoning Adjustment, Historic Preservation Review Board and the Mayor's Agent for the historic preservation act, before the Zoning Hearing Examiner and the Planning Board in Montgomery County, Maryland, and in local and federal courts. Recent major cases in which he has played a leading role include the MCI Center, the new Washington Convention Center, the residential/retail/hotel complex at 2200 M Street for the Ritz Carlton, and the planned redevelopment of the old Hecht's block at 7th and F Streets, the Station Place office development adjacent to Union Station, to be the new headquarters for the SEC, the International Monetary Fund's Headquarters II office building at 1900 Pennsylvania Avenue, the new headquarters for the U.S. Department of Transportation at the Southeast Federal Center and the redevelopment of the Capper/Carrollburg public housing projects in Southeast using a HOPE VI grant.

For more than 14 years, Mr. Sher was employed in the various zoning and planning offices of the District of Columbia. As one of the chief technical staff persons for the Zoning Commission, he played a significant role in drafting major portions of the present Zoning Regulations, including the waterfront and mixed use (CR) districts, the regulations concerning community based residential facilities, the planned unit development regulations and the regulations governing parking and loading.

For eight years, Mr. Sher served as the Executive Director of the Zoning Secretariat. As such, he was the chief executive/operating/administrative officer for the Zoning Commission and the Board of Zoning Adjustment of the District of Columbia. Mr. Sher supervised the handling of over 1,600 cases before the Board of Zoning Adjustment and numerous rezoning, planned unit development and text amendment cases before the Zoning Commission. Matters which he assisted the Zoning Commission in resolving included the rezoning of the Dupont Circle area, the Hotel-Residential Incentive District, implementation of the Foreign Missions Act and major development cases such as McLean Gardens, Techworld, Lafayette Center and the Sumner-Magruder schools redevelopment. Mr. Sher represented the Zoning Commission and the BZA before Congress, the Council of the District of Columbia, the Mayor and other public agencies.

Mr. Sher is a member of Lambda Alpha, the honorary land economics society, and the American Planning Association. He also served on the Mayor's Commission on Downtown Housing, various task forces of the Greater Washington Board of Trade and the D.C. Building Industry Association and the Metropolitan Washington Council of Government Metropolitan Development Community Advisory Committee. He has also served as guest lecturer at various universities on planning and zoning issues.

Mr. Sher received a Bachelor of Arts in Urban Studies from Brooklyn College of the City University of New York and a Master of Regional Planning from Cornell University.