

STATE OF CONNECTICUT  
CONNECTICUT SITING COUNCIL

IN RE:

APPLICATION OF NEW CINGULAR  
WIRELESS PCS, LLC (AT&T) FOR A  
CERTIFICATE OF ENVIRONMENTAL  
COMPATIBILITY AND PUBLIC NEED FOR  
THE CONSTRUCTION, MAINTENANCE  
AND OPERATION OF A  
TELECOMMUNICATIONS TOWER  
FACILITY AT 1363 BOSTON POST ROAD IN  
THE TOWN OF OLD SAYBROOK

DOCKET NO. 404

February 9, 2011

HEARING INFORMATION

New Cingular Wireless PCS, LLC ("AT&T") submits the following hearing information to the State of Connecticut Siting Council in the captioned proceeding:

A. List of Witnesses (resumes attached)

1. Mr. David Vivian, SAI
2. Mr. Anthony Wells, C Squared Systems, LLC
3. Peter Perkins, P.E., CHA
4. Benjamin Rieger, LEP, LEED AP, Kleinfelder
5. Michael Libertine, LEP, VHB

B. Documents to be Administratively Noticed

1. None at this time

C. Pre-Filed Testimony

1. None at this time. Exhibits to be adopted as testimony at the hearing set forth below.

D. Exhibits to be offered

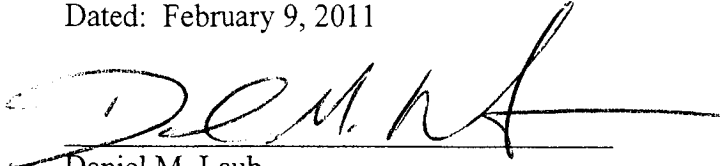
1. Application for a Certificate of Environmental Compatibility and Public Need for a Telecommunications Facility to be located at 1363 Boston Post Road in the Town of Old Saybrook, Connecticut.
2. Bulk Filing including the Town of Old Saybrook's Plan of Conservation and Development, Zoning Regulations, Zoning Map, Inland Wetlands and Watercourses Regulations.
3. Responses to Pre-Hearing Interrogatories, Set One, dated January 11, 2011.

AT&T reserves the right to offer additional exhibits, testimony, witnesses and administratively noticed materials as may be necessary during the hearing process.

CERTIFICATE OF SERVICE

I hereby certify that on this day, an original and fifteen copies of the foregoing were served on the Connecticut Siting Council electronically and by overnight mail

Dated: February 9, 2011

A handwritten signature in black ink, appearing to read 'D. M. Laub', written over a horizontal line.

Daniel M. Laub

cc: Michele Briggs, AT&T  
David Vivian, SAI

# David Vivian

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500 Enterprise Drive, Suite 3A Rocky Hill, CT 06067

Phone: 413-218-5042 (cell) ~ 860-513-7190 (fax)

Email: david.vivian@sai-comm.com

## QUALIFICATIONS

*Seasoned telecommunications professional.* Over 14 years telecommunications siting and permitting experience in the challenging New England environment. Adept at balancing radio frequency requirements with local zoning requirements and preferences, resulting in a high success ratio and timely implementation.

*Experienced manager.* Strong team-builder that provides direction and scope and empowers employees and subcontractors to utilize innovative solutions to accomplish goals quickly and efficiently.

*Strong financial background.* As a former real estate lender and manager, always attentive to cost-benefit analysis of policies and procedures while attending to project objectives.

## PROFESSIONAL EXPERIENCE

*Site Acquisition Specialist, Site Acquisitions, Inc. (September 2009 – Present)*

Responsible for the identification, leasing, zoning and permitting of sites for New Cingular Wireless, PCS (AT&T) primarily in the Connecticut and Western Massachusetts markets. Coordinates subcontractor due diligence and preparation for Connecticut Siting Council (“CSC”) filings and hearing proceedings. Provides testimony at CSC proceedings.

*Independent Site Development Contractor (September 2006 – August 2009)*

Provided telecommunications site acquisition consultation services to various wireless carriers and site acquisition firms; including Metro PCS, Mariner Tower, Optasite, Inc., and Transcend Wireless (representing Sprint PCS).

*Site Development Manager, National Grid Wireless (January 2001 – August 2006)*

Responsible for the development and/or acquisition of over 45 new tower facilities throughout the New England region for both Tower Ventures and National Grid. Identified new areas of opportunity and coordinated the leasing, zoning and construction of tower facilities in the central and western Massachusetts and eastern Connecticut area.

*Project Manager, American Tower Corporation (May 1999 – January 2001)*

Assumed the overall management and implementation of a new tower development program throughout New England. With only limited resources, managed the successful permitting and construction of over 40 new telecommunications towers in the first full year of operation.

*Zoning Manager, Wireless Facilities, Inc. (March 1998 – May 1999)*

Managed a team of Zoning Specialists responsible for the zoning and permitting of a 160-site wireless telecommunications design in southern New Hampshire, Worcester County and Cape Cod, Massachusetts. Careful analysis and a high approval ratio in this challenging zoning environment were instrumental in the successful commercial launch within a one-year timeframe.

*Property Specialist, Sprint PCS (June 1996 – March 1998)*

Managed a site acquisition team in the identification, leasing and zoning of wireless telecommunications facilities throughout greater Boston and Cape Cod. Close coordination between engineering activities, including radio frequency analysis, architectural and engineering services and environmental testing resulted in the successful completion of nearly 100 facilities during Sprint’s initial commercial launch.

*Commercial Real Estate Appraiser and Manager (August 1993 – June 1996)*

Managed the commercial and residential real estate appraisal operation for New England Valuation Advisors, including bidding, appraisals, data base management and marketing. As a commercial real estate appraiser for Crowley & Associates, completed real estate appraisals on a fee basis, including all types of income producing properties. Specialized in industrial, retail, office and apartment complexes.

*Mortgage Loan Officer, Society for Savings & Country Bank for Savings (January 1987 – August 1993)*

Managed real estate portfolios ranging from \$45 million to \$150 million, including offices, apartment complexes, retail centers and hotels. Routinely achieved the lowest delinquency rate on commercial portfolios in the department.

### **EDUCATION**

OSHA Safety Training (2005)

University of Massachusetts at Amherst (1994), M.B.A. with emphasis in finance

Naval Post-Graduate School, Newport, R.I. (1981), Legal Officer Certification

Naval Flight Officer, United States Navy (1979 – 1998), Commander (Retired)

Colby College, Waterville, ME (1979), A.B. in Administrative Science & Math

References available upon request



Resume of: Anthony Wells

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**EDUCATION:** Northeastern University  
Master of Science in Electrical Engineering - Communications and Signal Processing  
Concentration- June 1997  
University of Massachusetts, Lowell  
Bachelor of Science in Electrical Engineering - December 1989

**EXPERIENCE:**

**Managing Partner C Squared Systems**

**8/00 - Present**

- Provide RF and software design services to the wireless industry, including preparation of RF coverage analyses to determine radio frequency signal propagation parameters for siting wireless telecommunications facilities.
- Development of custom data collection and propagation software for in-building and macro networks,
- Manage design of a digital 1900 MHz (PCS) network consisting of over 130 cell site locations in New Hampshire and Maine.
- Design and Implementation of in-building repeater systems for multiple carriers.
- Prepare documentation for and testify before Connecticut Siting Council in support of the location of new wireless communications facilities.
- Provide measurement and calculation reports to comply with conditions of approval for municipalities in Connecticut, relating to Federal Communications Commission guidelines for electromagnetic field exposure.
- Develop radio and microwave frequency electromagnetic field calculation software for use in Federal Communications Commission compliance analysis.
- Design and implement custom software applications and database solutions with mapping capability for wireless providers.
- Provide propagation analysis and optimization of propagation models for use in analysis of propagation characteristics for low antenna heights.

**Radar Systems Engineer****Raytheon - 3/98-8/00**

- Developed radar systems and simulation using software languages such as C++, Matlab and FORTRAN.
- Processed radar data for use in analysis of tracking algorithms. Implemented C++ wrapper for Matlab mex-files to reduce processing time by over 70%.
- Analyzed results of tracking algorithms. Evaluated statistical cost factors and analyzed radar resource loading in relation to statistical confidence levels for tracking algorithms.
- Calibrated and modified radar simulation software to accurately represent radar hardware performance.

**Radio Frequency Manager****Sprint PCS - 10/95 - 3/98**

- Technical Manager responsible for implementation of code division multiple access technology for the New Hampshire and Maine systems.
- Designed and managed a digital 1900 MHz (PCS) network consisting of 70 cell site locations in New Hampshire and Maine.
- Oversaw testing and verification of the network to insure that propagation modeling was accurate and design performed as anticipated.
- Evaluated network performance for vendor compliance with contractual obligations.
- Insured compliance with Federal Communications Commission guidelines for electromagnetic field exposure for the digital network.
- Evaluated and tested accuracy of vendor propagation models and their applicability for use in system design.

**Radio Frequency Manager****NYNEX Mobile/Verizon Wireless - 5/90 - 10/95**

- Responsible for the design and performance of an analog 800 MHz communication system consisting of over 200 cell sites in New England.
- Responsible for testing and verification of over 100 cell sites to insure accuracy of propagation models and cell site placement.
- Monitored and improved system performance for the Boston and Rhode Island systems using signal measurement equipment and propagation analysis.
- Evaluated and planned deployment of 800 MHz digital cellular system.
- Evaluated feasibility and integrated high and low power repeaters into the network where applicable.
- Designed microprocessor based automated remote call processing test equipment.
- Implemented repeaters as part of in-building network.
- Managed and optimized frequency plan as part of network optimization.

## Education

University of Connecticut, CT/B.S. Civil Engineering/1986

## Professional

### Registration and Activities

P.E.-CT, MA, ME, NH

Notary Public-CT

National Society of Professional Engineers

American Railway Engineering & Maintenance-of-Way Assoc.

Precast/Prestressed Concrete Institute

## Peter M. Perkins, P.E. Project Manager

Mr. Perkins has over 23 years of project management and structural engineering experience over a wide array of structural systems including buildings, sign supports, antennae towers and bridges. His experience encompasses survey, inspection, design, plan preparation and construction conflict resolution. He is the Senior Structural Engineer overseeing all structural projects in the New England region. Representative project experience includes:

**Wireless Structural Supervisor.** Manager of all structural engineering for the installation and modification of towers, antennae, shelters, and equipment cabinets installed in buildings, and on grade slabs. Sample clients and projects include:

- VoiceStream-Over 200 raw land and building mounted sites across Connecticut and western NY
- Verizon Wireless-Engineering for over 300 sites across the east coast
- Nextel-Over 200 concealed roof to site in Florida and across the east coast
- Crown Castle- Over 300 cell tower analysis country wide
- Velocitel-Over 50 sites through the Virginia and Maryland markets
- Southeast Towers-Engineering services for new telecommunications towers in Georgia market.
- Cellular One-Over 150 cell sites for the 2005 to 2006 network build out
- JNS Enterprises-19 cell tower analyses
- Sprint PCS- Structural design related to the development of over 220 new base stations throughout Northeast and Southeastern United States
- Cingular-UMTS Project Rhode Island
- nTelos-Analysis of 12 cell towers in Virginia
- Wild Blue-12 10-meter Satellite dish installations
- MCF Communications-Design and permitting of over 15 Connecticut sites
- National Grid-Transmission tower antennae mounts
- T-Mobile-Hundreds of roof top and tower analyses across New Hampshire, Long Island, Connecticut, and Virginia

**NHDOT, Spaulding Turnpike.** Manager of structural engineering for the design of eight new bridges, six bridge rehabilitations, and three retaining walls. Responsible for the development of alternative studies and construction costs analysis. Responsible for constructability reviews and the coordination of stage construction across eight construction contracts.

**NHDOT, Nashua-Hudson Circumferential Highway, Nashua, NH.** Engineer involved with all aspects of preliminary and final design of twenty steel plate girder bridges. Structures included a 247 FT curved girder bridge in an urban interchange with Route 3A, a 172 FT span on a 55 degree skew over Route 111, Two crossings of the Merrimack river, and several bridges over local roads. Worked with project manager on developing and implementing design procedures to be followed by structural engineers. Responsible for initiating and implementing a program for the development of bridge drawings on CAD.

**NHDOT, BR137/116 Kingston Road over B&M Railroad.** Senior Structural Engineer for the replacement of Kingston Road over B&M Railroad. Mr. Perkins was responsible for braced excavation design to maintain the track during construction, and overseeing the design of a 60 ft, low profile, steel beam and concrete deck bridge on cantilever abutment and wingwalls.

**ConnDOT, On-Call Railroad Engineering and Construction Services.** Project Manager for the three-year project involving condition inspection, structural design and construction inspection of on-system and off-system bridges. Assignments included

- Condition inspection of over 200 bridges per year
- Development and maintenance of a prioritized repair program
- Detailed structural analysis of complex truss and masonry arch structures



- Engineering feasibility studies for several bridges

Mr. Perkins managed the preparation of hydraulic studies, environmental permits, geophysical studies using seismic refraction to determine depth to bedrock and dispersive wave analysis to determine bottom of foot elevations. He also provided services to the Department for scour evaluation and emergency repair plans, and construction inspection.

***CP Rail CAMA Bridge at MP97.76 over Charter Brook.*** Lead Design Engineer for this fast track project to replace a deficient single span bridge. He designed a precast box culvert to be placed between the abutments without removing the tracks from service, maximized the use of prefabricated components to reduce construction duration, and prepared contract drawings and bid package in less than one month. The design allowed the superstructure to be removed during a short term track outage and the existing substructure was buried in place.

***RIDOT, Point Street Bridge.*** Project Engineer responsible for rehabilitation design and plan preparation for historic 282 ft swing span truss bridge and 140 ft of approach spans over the Providence River. Tasks included inspection, rating, and presentation of replacement/rehabilitation alternatives including the feasibility of restoring moveable operations. Mr. Perkins prepared plans for rehabilitation that would not preclude restoring moveable operations and designed a light weight flexible deck, and architectural restoration of operator's house.

***Town of Pomfret, Covell Road Bridge over Mashomquet Brook.*** Project Manager for the Connecticut local bridge project using Federal funds for the replacement of this rural road. The existing bridge consisted of a steel beam superstructure on stone abutments. He provided the cost effective solution of a precast, three sided culvert to replace the existing bridge. The three sided structure allowed CHA to retain the natural bottom of brook to meet Connecticut Fisheries and DEP requirements while providing a low maintenance structure for the Town. The precast elements also allowed rapid construction, minimizing the duration of road closure.

***Town of Fairfield, Merritt Street Bridge over Horse Tavern Brook.*** Project Manager for the Connecticut local bridge project using Federal funds for the replacement of this urban local road. The existing bridge consisted of a two span concrete slab superstructure on stone abutments. Mr. Perkins provided the cost effective solution of a single span precast, three sided culvert to replace the existing bridge. The three sided structure allowed CHA to increase the hydraulic opening and retain the natural bottom of brook to satisfy DEP flood management, and Connecticut Fisheries requirements while providing a low maintenance structure for the Town. The precast elements also allowed rapid construction, minimizing the duration of road closure. Form liners were used on the parapet walls to provide an aesthetically pleasing stone look to the bridge.

***Massachusetts Highway Department, Route 141 over Chicopee River.*** Project Manager for this corridor widening and bridge replacement project. The project site is located in a densely developed, highly traveled section of Route 141 and includes reconstruction of 1000 ft of Route 141 between two intersections and replacement of the 382 ft, four span bridge. The road will consist of widening from four-10 ft lanes to five 12 ft lanes with 5 ft shoulders. Part of the project included obtaining public input from the many local businesses along the corridor and a public awareness campaign for bridge closure times.

***Borough of Naugatuck, Rubber Avenue & Rubber Avenue Extension Bridges.*** Project Manager for the \$2 million superstructure replacement of the 40 ft Rubber Avenue Bridge and the complete off-line replacement of the 50 ft Rubber Avenue Extension Bridge. Both bridges were designed and constructed under the CT local bridge program using state funds. Mr. Perkins was responsible for the securing right-of-way, obtaining project buy-in from environmental agencies and building public support for expenditure of Town funds. He also solicited input from concerned parties, prepared display graphics, attended informational meetings, gave public presentations and responded to inquiries.

## **BENJAMIN RIEGER, LEP, LEED AP**

### **Summary of Experience**

Mr. Rieger is currently a project manager, based out of Kleinfelder's Windsor, Connecticut office. His responsibilities include development and management of new client relationships and the management of multiple environmental assessment, remediation and natural resource projects in the eastern United States.

Prior to his current role, Mr. Rieger served as program manager for a petrochemical client account. His responsibilities included management of junior and senior staff working on more than 120 environmental projects across the New England region, programmatic client account management, scope of work and cost development, project coordination and implementation, direction and oversight of field activities and report preparation and review.

## **ENVIRONMENTAL**

Mr. Rieger has conducted and supervised subsurface investigations on more than 250 commercial sites in Connecticut, Massachusetts, New Hampshire, New York, New Jersey, Rhode Island Maryland, and Maine. Responsibilities have included historical and regulatory research, wetland delineation and ecological resource assessment, NEPA reviews, environmental permitting, design and implementation of sampling programs for soil, soil vapor and groundwater, well installation (monitoring wells, multi-level piezometers, bedrock wells), data evaluation and report preparation and review.

Mr. Rieger has installed environmental remediation systems to address soil and groundwater contamination at various facilities in Connecticut, Rhode Island and New Hampshire. These installation included contractor safety oversight and system performance optimization during the initial period of operation.

Mr. Rieger has participated in the design and overseen the implementation of wetland enhancements and constructed wetlands.

Mr. Rieger has extensive experience in evaluating the ecological and cultural values of wetland systems.

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### **Select Project Experience**

#### *New York State Brownfields Program Chlorinated Solvent Assessment*

Working as part of a project team, Mr. Rieger developed a site assessment plan including multilevel groundwater monitoring wells installed using sonic drilling, analysis of naturally occurring dehalogenating bacteria by polymerase chain reaction, and subslab and indoor air quality sampling. This plan went through public comment and New York Department of Environmental Conservation and Department of Health review prior to approval. Mr. Rieger is currently managing the execution of the work plan.

#### *Multi Site Property Transaction Due Diligence*

Mr. Rieger oversaw a dedicated project team which conducted thirty Phase 1 Environmental Site Assessments to support the sale of a group of commercial properties. To allow his client adequate time for document review and decision making within the contract due diligence period these assessments were completed within 35 days of project initiation.

Mr. Rieger managed the execution of field activities required for the completion of Phase 2 Environmental site assessments for a portfolio of 52 sites in the state of Maryland between July and September 2009. Soil borings were advanced at each site, soil samples collected, and monitoring wells installed and sampled at each site to evaluate the status of Recognized Environmental Conditions identified during previously conducted Phase 1 Environmental Site Assessments. His roll included oversight of field scientists and drilling subcontractors during 8,454 linear feet drilling and soil classification, the collection of 535 soil samples for laboratory analysis, and the installation of 235 monitoring wells.

Mr. Rieger managed the execution of field activities required for the completion of Phase 2 Environmental site assessments for a portfolio of 69 sites in the state of New Jersey between October 2009 and April 2010. Soil borings were advanced at each site, soil samples collected, and monitoring wells installed and sampled at each site to evaluate the status of Recognized Environmental Conditions identified during previously conducted Phase 1 Environmental Site Assessments.

Mr. Rieger managed the execution of field activities required for the completion of Phase 2 Environmental site assessments for a portfolio of 25 sites in the state of Connecticut between December 2009 and April 2010. Soil borings were advanced at each site, soil samples collected, and monitoring wells installed and sampled at each site to evaluate the status of Recognized Environmental Conditions identified during previously conducted Phase 1 Environmental Site Assessments.

#### *Ft. Drum, NY – USACOE Remediation System Well Installation*

Mr. Rieger managed the logistics, field execution, and safety for the installation of one hundred forty three injection and extraction wells over a one month period in the summer of 2010. His responsibilities included assuring safe work practices of the field team and subcontractors, compliance with the site specific accident prevention plan and health and safety plan, and attainment of the contract specific well installation tolerances. Site specific challenges overcome by the field team included the logistics associated with working on an active military air field, LNAPL thickness in excess of 5 feet resulting in the need for benzene specific air quality monitoring and level C trained personnel, and a 7 day a week 12 hour per day work schedule.

#### *Confidential Site MTBE Impacted Bedrock Aquifer Remediation*

Mr. Rieger oversaw groundwater monitoring and remedial system operation for a property currently under a CTDEP Consent Order. Evaluated data from site monitoring wells and twenty three active drinking water wells; managed interaction with State and local regulators and residents. The groundwater extraction system pumped and treated in

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## Michael Libertine, LEP

Director, Environmental  
Services

Mr. Libertine is a Licensed Environmental Professional in Connecticut. His primary responsibilities at VHB are managing and overseeing the environmental science and engineering practice in our Middletown, Connecticut office. His experience includes regulatory compliance and permitting, site assessments and field investigations for property transfers, remedial strategy development, environmental due diligence, environmental assessments for NEPA compliance, RI/FS investigations, Brownfields redevelopment projects, and remedial investigations at RCRA facilities, state and federally recognized hazardous waste sites, and Manufactured Gas Plant (MGP) sites. Mike has been Project Manager on over 1600 environmental site assessments (ESAs) and field investigations for property transfers in Connecticut, Rhode Island, New Hampshire, Massachusetts, Vermont, New Jersey, New York, Washington, D.C., Florida, Kansas, and Canada. Representative projects are summarized below.

### **On-Call Services, Northeast Utilities**

Program Manager in support of various Connecticut projects, including assessment and permitting of bulk power substations, transmission lines/structures, transition stations, warehouse facilities, peak generation plants, and underground utility installations. Services include conducting land acquisition searches, civil engineering feasibility studies, pre-acquisition environmental due diligence evaluations, natural resources inventories of existing flora and fauna, habitat evaluations, wetland delineations, noise analysis, visual analyses, hazardous waste investigations, remedial strategy planning and implementation, site survey, layout and design drawings, landscape architecture, preparation of technical documents, coordination with State and local agencies, regulatory permitting, public outreach, and expert witness testimony. Projects have included securing Certificates of Environmental Compatibility and Public Need through the Connecticut Siting Council (CSC) on numerous bulk power substations in the Towns of Killingly, Windsor, South Windsor, Guilford, Waterford and Westport. These projects required extensive coordination of numerous team members, including client's in-house discipline managers and engineers, outside consultants, legal counsel, VHB staff, and subcontractors. Mike was responsible for overseeing Site data collection and analysis, site/civil layout, and drafting of municipal documents and the Applications to the CSC. His team has also provided environmental monitoring for adherence to the CTDEP's General Permit for Construction Activities and environmental requirements set forth in the Client's contract documents and specifications.

### **Various Services, New England East West Solution (NEEWS) Projects, Connecticut**

Project Manager in support of environmental permitting services for the New England East West Solution (NEEWS) Projects, including Greater Springfield Reliability Project, Interstate Reliability Project, and Central Connecticut Reliability Project. Services included securing Location Review approvals for the expansions of several existing substations and environmental and constructability evaluations of a proposed 35+ mile long transmission corridor associated with the Central Connecticut Reliability Project. VHB was responsible for developing Location Review documents for submission to the local wetlands/conservation and planning commissions. Services included public outreach, coordination with municipal staff, and representation at hearings. VHB also inventoried existing environmental conditions along the 35+ mile primary route and multiple alternative routes, delineating and mapping wetland resources, wildlife habitat, and other resources proximate to proposed construction areas.

### **Regulatory Permitting, Barbour Hill Substation Modifications, South Windsor, Connecticut**

Project Manager responsible for the preparation of a Petition to the Connecticut Siting Council for a determination that no Certificate of Environmental Compatibility and Public Need was required for the proposed modifications to the Barbour Hill Substation in South Windsor,

**Mr. Libertine is Director of Environmental Services for VHB's Middletown, CT office. A Licensed Environmental Professional, Mike has over 25 years of professional experience, including nineteen years of consulting in the environmental field. His primary responsibilities involve coordination and oversight of environmental science and engineering projects in the company's Connecticut office, including environmental regulatory permitting, environmental site assessments for property transfers, and due diligence and permitting in support of development projects.**

Connecticut. The project included the replacement and expansion of an existing facility and the modification of line interconnections. Responsibilities included conducting natural resource inventories, wetland delineation, noise study, soil and groundwater sampling, property survey, preparation of site/civil design drawings, supporting graphics, photo-simulations, and local and state permit documents and representation. Under Mr. Libertine's supervision, VHB also supported CL&P during its contractor selection process and developed a site-wide soil and water management plan for implementation during construction activities.

**Environmental Services for Wireless Telecommunications Clients, New England**

Program Manager for environmental due diligence and permitting services in support of various telecommunications clients throughout New England and New York. Mr. Libertine has worked directly with the major licensed PCS carriers and tower builders since 1997. Project management includes coordination and oversight of preliminary site screenings, compliance documentation and environmental assessments to fulfill NEPA requirements, land use evaluations, Phase I ESAs, Phase II field investigations, remedial planning and oversight, wetland assessments, vegetative/biological surveys, noise analyses, visual resource analyses, graphic support, preparation of regulatory applications and permitting support. Mr. Libertine has represented his Clients on over 500 telecommunications projects (including providing expert witness testimony at municipalities and Connecticut Siting Council hearings).

**Environmental Impact Evaluation for Great Path Academy , Manchester, CT**

Project Manager of an Environmental Impact Evaluation (EIE) for expansion of a middle-college magnet high school serving eight member communities and operating within existing infrastructure at Manchester Community College (MCC). The proposed action included a new free-standing facility on the campus to house the school and expand parking to accommodate 500 additional vehicles to enable enrollment to increase from 75 to 300 students. Services included the preparation of the EIE in accordance with the Connecticut Environmental Policy Act to evaluate the project's associated potential environmental, social and economic impacts. Mike and his staff produced a comprehensive document, distributed for public review and comment, that assessed multiple potential sites for parking and building facilities within the MCC campus, as well as "no action" alternatives for parameters including: hydrology, traffic, visual impact on the surrounding community, energy consumption, and impacts to wildlife and habitat, potential historic and archaeological resources, forested areas, and a State-designated Greenway bike path. The result of the process was securing a Finding of No Significant Impact. The project required extensive coordination with the CTDPW, Board of Technical-Community Colleges, and MCC representatives.

**EA/FONSI for State Routes 7 & 15 in Norwalk and Wilton, CT**

Project Manager of Final Environmental Assessment/Section 4(f) Evaluation (EA) for Finding of No Significant Impact (FONSI) on two state projects along Routes 7 and 15 in Norwalk and Wilton, Connecticut (1998-1999). These projects, completed for ConnDOT, involved the evaluation of seven different build/no build alternatives involving two interchanges and a proposed freeway extension. The evaluation included assessments of current conditions, potential impacts of alternatives, analysis of impacts associated with proposed actions, and development of mitigation techniques to be employed during design and construction. The Final EA document was submitted to the Federal Highway Administration, which provided a determination of FONSI in March 2000.

**On-Call Services for Connecticut Department of Transportation**

Task Manager for ConnDOT On-Call Environmental Services contract (1993-1997). Project task management included coordination and oversight of corridor land use evaluations, preliminary site evaluations, surficial and exploratory site investigations, and emergency response procedures. Representative projects included identification and characterization of hazardous materials, chemicals, and oils within ConnDOT highway project areas.

**Environmental Review and Redevelopment Planning, Stratford, CT**

Project Manager supporting the Town of Stratford in assessing the feasibility of redeveloping the Stratford Army Engine Plant, which was closed under the Military Base Closure Act of 1997. The facility included over 2 million sq. ft. of space in approximately 40 buildings on a 50-acre site along the Housatonic River waterfront. This project required close coordination with the Client, VHB Planners and a socioeconomic sub-consultant to assist the town with the required steps to redevelop this industrial/military site. The planning process included the assessment of existing buildings, environmental and regulatory constraints associated with industrial site redevelopment, and an analysis of alternative reuse options for community benefits and impacts. A preferred redevelopment approach was created which included significant building demolition, site cleanup, and infrastructure upgrades. VHB completed preliminary plans and remediation cost scenarios for the decontamination/demolition of site structures, schematic waterfront park layout in consideration of environmental compliance issues, roadway and drainage design, and utility modification. A green space and waterfront park, providing recreational opportunities and access to Long Island Sound for town residents, was completed in 2001.

**RCRA facility investigation, Kansas**

Field Team Leader for a RCRA facility investigation at a cement factory in Kansas that burns hazardous waste-derived fuels. This project includes investigation on the extent and degree of contamination due to releases of hazardous constituents at eight solid waste management units. These include three landfills, waste treatment ponds, fuel storage areas, and miscellaneous waster transfer systems. Responsibilities also include the preparation of the Phase I Field Investigation technical report, the Phase II Work Plan for EPA review, and the Phase II Field Investigation technical report.

**MGP Sites, New York**

Performed groundwater, surface and subsurface soils sampling activities for Remedial Investigation/Feasibility Studies (RI/FS) at over 10 MGP sites in New York State, Pennsylvania, and Vermont. The majority of these programs were conducted under State regulatory overview while another was conducted under EPA Region II overview.

**Installation/Restoration Study, Naval Submarine Base, Groton, CT**

Field investigator for an Installation/Restoration Study at the Naval Submarine Base in Groton, Connecticut for the U.S. Navy. Work on this Superfund site included RI/FS investigations at former waste disposal/release sites.

**Publications**

*The Newly Adopted Connecticut Remediation Standard Regulations Coincide with Brownfields Legislation*, February 1996, Brogie, Martin and Libertine, Michael.

**Education**

University of Connecticut, B.S. Natural Resources Management,  
December 1990  
Stonehill College, B.A. Marketing, May 1981

**Certifications/  
Licenses**

Licensed Environmental Professional, State of Connecticut,  
LEP No. 345  
OSHA Hazardous Waste Operations and Emergency Response  
(HAZWOPER) Training (29 CFR 1910.120)