



# SHAWN CALLAGHAN



SENIOR PLANNER II

## OVERVIEW

Mr. Callaghan is a Senior Planner and Project Manager with over 11 years of professional experience in the environmental field in the public, commercial, community and urban development markets. He has served in numerous roles in the private sector, municipal government and as a small business owner. Mr. Callaghan has project experience in the following areas: natural resources, transportation, ecological restoration, wetlands and hazardous material investigations/remediation. Types of projects include: site development, open space, wetland restoration and mitigation, land use, habitat assessment, regulatory permitting, stormwater management, landscape and urban planning. His responsibilities include project management, field investigations and document preparation as well as QA/QC of deliverables. His technical areas of expertise include environmental planning, environmental permitting, natural resource management, wetland investigations, wildlife habitat assessment, conservation planning, ecological evaluations, site analysis and cultural resource studies. Mr. Callaghan has created wildlife habitat in numerous states along the east coast and provided community and landowner outreach on issues such as wetland ecology and protection, wildlife conservation and responsible land stewardship.

### EDUCATION

- M.A. in Sustainable Landscape Planning & Design, Conway School of Landscape Design, 2005
- B.S. in Natural Resources, University of Connecticut, 1999

### PROFESSIONAL AFFILIATIONS

- Society for Ecological Restoration International
- National Wildlife Federation

### YEARS EXPERIENCE

- <1 Year with firm
- 11 Years in industry

## ENVIRONMENTAL PERMITTING AND REGULATORY COMPLIANCE

Mr. Callaghan specializes in environmental permitting and regulatory compliance related to a broad range of projects including site development, infrastructure improvements, utility projects, transportation rehabilitation and construction and airport projects. Mr. Callaghan's environmental permitting and planning experience includes regulatory agency coordination and the integration of best management practices and low impact development methods. He is also versed in the preparation of compensatory mitigation plans and construction specifications for wetland creation, restoration and enhancement.

## ENVIRONMENTAL DOCUMENTATION

Mr. Callaghan has prepared environmental documents in accordance with the National Environmental Policy Act (NEPA), Massachusetts Environmental Policy Act (MEPA) and the Connecticut Environmental Policy Act (CEPA). He has been involved in the production of environmental impact statements (EIS), environmental assessments (EA), Environmental Impact Evaluations (EIE), Environmental Notification Forms (ENF) and Environmental Impact Reports (EIR). He has managed and contributed to environmental studies including vernal pool inventories, endangered and threatened species surveys and hazardous waste investigations.

## ECOLOGICAL STUDIES AND CONSERVATION MANAGEMENT

Mr. Callaghan conducts wetland/habitat assessments, natural resource inventories, vernal pool assessments, plant and animal monitoring and surveys and biological assessments for threatened and endangered species. He also prepares conservation management plans, master plans and landscape plans for public parks and other open space and conservation lands.





## PROJECT EXPERIENCE

### **NEW ENGLAND HIGH SPEED RAIL | CONNECTICUT DOT | 2010**

The New England States of Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont, have been engaged in re-establishing effective passenger service in New England. The Connecticut Department of Transportation (CTDOT), in cooperation with the States of Massachusetts and Vermont, has prepared a Programmatic Environmental Impact Statement (PEIS) or Tier 1 EIS. The PEIS covers the New Haven-Springfield-White River Junction-Montreal and Springfield-Worcester-Boston segments of the region and includes a system-wide impacts assessment that is intended to set the stage for several interrelated projects as part of a long-range service development plan for High Speed Rail. Mr. Callaghan served as the lead investigator for the Vibration Impact Analysis portion of the study. He also provided technical contributions to and provided QA/QC of the Physical Environment and Affected Environment sections of the document, including: water resources, noise impact analysis, critical environmental areas, threatened and endangered species, socioeconomic, floodplains, stream channel encroachment lines, wetlands, wild and scenic rivers, navigable waterways, coastal resources, environmental risk sites and hazardous materials.

### **NEW BRITAIN-HARTFORD BUSWAY | CONNECTICUT DOT | 2010**

Mr. Callaghan's role as a Senior Planner included the development of a compensatory wetland mitigation plan for a proposed bus rapid transit (BRT) corridor located in both an abandoned and active railroad right-of-way connecting New Britain and Hartford, CT. His work for this CTDOT project involved completion of site plans including grading, planting and construction specifications for the creation, enhancement and restoration of wetland areas at the mitigation site. He worked with local agencies and commercial entities to develop proper planting and construction pricing and staging for the installation of plant materials and the removal/management of invasive plant species. Mr. Callaghan also prepared documentation for the United States Army Corps. of Engineers (USACE) and CTDOT.

### **GOVERNMENT CENTER STATION | BOSTON, MA | 2010**

Mr. Callaghan is involved in the environmental compliance review for the proposed reconstruction of the Massachusetts Bay Transportation Authority (MBTA) Green Line Station located at Government Center in Boston, Massachusetts. The review and recommendation of MEPA and NEPA documentation is utilized to guide the regulatory process for future construction in this high profile area of downtown Boston. Specific topics included the review of MEPA Greenhouse Gas Policy and Protocols as well as the Executive Office of Environmental Affairs (EOEA) Article 97 Land Disposition Policy.

### **MENLA MOUNTAIN RETREAT AND CONFERENCE CENTER MASTER PLAN | PHOENICIA, NY | 2005**

Mr. Callaghan managed a team in the master planning process which brought together research, analysis and planning strategies to guide the current and projected development of a 310-acre Buddhist retreat and conference center located in the heart of New York's Catskill Mountains. He conducted analysis of natural (slope, soil, water resources, vegetation, wildlife and climate) and social (land use, legal restrictions, existing infrastructure, circulation and sound) conditions to propose and evaluate sustainable options for future site use and long-term management. The master plan took into account sensitive resources on-site including: drinking water, wetlands, erosion, sedimentation, stream restoration and wildlife habitat, as well as existing site challenges including: facility infrastructure, maintenance costs and intensity, visitor experience (approach, noise and views) and regulatory restrictions. He conducted stakeholder and public meetings to address client, municipal and public concerns relative to development in this sensitive area of the Catskill State Park and New York City watershed.

### **BREAKNECK HILL CONSERVATION LAND MASTER PLAN | SOUTHBOROUGH, MA | 2005**

Mr. Callaghan lead a team to create a master plan for a town-owned, 88-acre, former agricultural property overrun with invasive plant species to be utilized for passive recreation and public educational purposes. He designed and developed a public involvement program that included design charettes, public hearings and meeting facilitation in the Town of Southborough to elicit resident input and understand the needs of both client and project. The





master plan of conservation and management addressed the site's environmental challenges (past land use, hazardous materials, vernal pools, current agricultural uses) while ensuring critical wildlife habitat and travel corridors remained unfragmented. Mr. Callaghan worked within grant funding parameters of the Natural Resources Conservation Service (NRCS) and limited municipal budgets. He conducted fieldwork to inventory, analyze and delineate areas for wetland, woodland and grassland creation, restoration and conservation. His work also included invasive species removal, costing, management and maintenance.

#### **BUS MAINTENANCE FACILITY RELOCATION | SPRINGFIELD, MA | 2010**

As part of a two person team, Mr. Callaghan is currently working on the preliminary environmental investigation/screening of potential sites for a new bus maintenance facility for the Pioneer Valley Transportation Authority (PVTA) in Springfield, Massachusetts. He is conducting document preparation for both NEPA and MEPA as part of this project. The property screening also involves the use of GIS and the completion of mapping to highlight natural and cultural resources at the selected sites.

#### **HAMILTON CANAL DISTRICT URBAN REDEVELOPMENT | LOWELL, MA | 2009**

As Design Planner for the City of Lowell, Mr. Callaghan managed the design and redesign of several parks integral to the success of this redevelopment project on the historical canals of Lowell, Massachusetts. He conducted open space planning activities to ensure proper active and passive recreational opportunities were enhanced for the public. The historical, viewshed, safety and landscaping portions of the parks were key factors in the designs. He created graphics and plans to highlight the improvements to these urban green spaces.

#### **RIVER'S EDGE ON THE CONCORD NEIGHBORHOOD REDEVELOPMENT | LOWELL, MA | 2009**

Mr. Callaghan served as the open space planner for the redevelopment activities at a former hazardous materials generator site located in Lowell, Massachusetts. He conducted open space and stormwater planning and review for the developers and the City of Lowell. He completed mapping of wetland resources as well as utilities at the site. The finished maps and graphics aided the City in the review of the development plans and helped to guide their recommendations for changes and improvements at the site.

#### **ADDITIONAL PROJECT EXPERIENCE**

- The Jackson/Appleton/Middlesex (JAM) Urban Renewal Plan, Lowell, MA (2009)
- Moody Street Park Redesign & Construction, Lowell, MA (2008-2009)
- Tweed New Haven Regional Airport Stormwater Pollution Control Plan, New Haven, CT (2010)
- Feasibility Study Danbury Branch Electrification, Danbury, CT (2010)
- Lawrence Mills Park Redesign, Lowell, MA (2008-2009)
- Streetcar Alternatives Analysis/Environmental Assessment (AA/EA), Providence, RI (2010)
- Livingston Avenue Railroad Bridge, Albany and Rensselaer, NY (2010)

