



# **CONSULTING STRUCTURAL ENGINEER, INC.**

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## **MICHAEL J. BERRY, P.E., SECB**

Mr. Berry founded CSE in 2007. Under his leadership the company grew to a team of four engineers through 2022 when he began his retirement. Mr. Berry provides expert technical consulting services based on more than thirty-five years of structural engineering and project management experience with a background in engineering, design and business development in private and public sectors. Mr. Berry's structural background includes forensic investigations, condition assessments, structural design and document preparation, expert testimony and construction administration services.

### **EDUCATION:**

Bachelor of Science, BS, Civil Engineering, University of Lowell

Master of Science, Civil Engineering/Structural, Northeastern University

Master of Business Administration, Boston College

### **PROFESSIONAL QUALIFICATIONS AND AFFILIATIONS:**

Licensed Professional Engineer / Structural:

Massachusetts, Connecticut, Rhode Island

Licensed Professional Engineer / Civil:

New Hampshire

Structural Engineering Certification Board (SECB, [www.secertboard.org](http://www.secertboard.org))

Boston Association of Structural Engineers (BASE)

Structural Engineers Association of Massachusetts (SEAMass)

### **REPRESENTATIVE PROJECT EXPERIENCE:**

#### **Fuel Oil Remediation** | Various Locations throughout New England

Mr. Berry is regularly involved in cases where subgrade soils beneath building foundations become saturated by fuel oil spills and require excavation of contaminated material. Mike promptly responds to the cleanup effort with structural engineering services to support the structure while the contractor conducts remediation efforts. Shoring procedures, preparation of reconstruction design drawings and in-progress inspections are conducted to oversee a successful remediation.

#### **Forensic Investigations** | Various Locations throughout New England

Assessments and inspections of properties that have sustained structural damages due to a variety of loss events including flood, wind, fire, long term deterioration, general structural overload and impact from trees or vehicles. Mr. Berry's prompt response to requests from both insurance carriers and homeowners is instrumental in beginning the process of restoring the damaged properties to their pre-loss condition. Services typically include a site inspection and a report with Mr. Berry's professional opinion as to the cause of damages including recommendations for repair as necessary.

#### **Valley View School** | North Brookfield, MA

After the loss of the school's dormitory building by fire, Mr. Berry was called in to assist the project team with structural engineering services in support the restoration effort. Services including assessing the damaged structure and determining what if any structural components could be salvaged. Structural construction documents were prepared for the 2-Story wood framed replacement dormitory over full basement. The project team completed the work in an expeditious manner that resulted in a timely re-occupancy for the school.

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Brian A. Walsh, P.E., SECB

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### **Harvard Court Residences** | Harvard Court, Acton, MA

A garage fire damaged a multi-family residential building in this development. Mr. Berry served as the structural engineer of record for the restoration and reconstruction effort. The work was successfully completed.

### **Private Single Family Residences** | Multiple Projects, Various Locations

Mr. Berry routinely provides structural consultations for homeowners, architects and builders as they encounter the need for a structural engineer to support their projects.

### **MIT Lincoln Laboratory Roof Improvements** | Building LI, Lexington, MA

Mr. Berry served as principal-in-charge supervising the structural analysis of the existing building to support proposed envelope improvements. Based on the findings of the analysis, the project team utilized materials and exterior envelop systems that minimized and/or eliminated costly structural upgrades to the building.

### **Salvatore's** | Lawrence, MA

Mr. Berry was responsible for the structural design and document preparation for 6,000 square feet of the restaurant's exterior deck overlooking the Merrimac River. The design required braced supports off of the existing brick mill building to eliminate the need for columns on the river bank below. High uniform design live loads necessary to support the restaurant use required the expertise of Mr. Berry to establish an economical and achievable connection design into the existing masonry walls.

### **Stadium Sign and Footing** | Manchester, NH

A 40-foot tall by 75-foot wide sign installation at a professional ball park over a landfill required foundation construction using helical piles and pile cap design. Mr. Berry designed the concrete pile cap and specified installation of helical piles to support the sign under adverse loading and limited soil bearing capacity.

### **Segmental Retaining Wall Design** | Somerville, MA

A 15-foot tall retaining wall installation was required to support abutting property in a dense urban setting adjacent to residential buildings. Mr. Berry designed, coordinated and inspected construction of a battered concrete block retaining wall to support retained soils without excavation of the abutting subgrade.

### **Condominium Foundation Design** | Athol, MA

New construction of a residential condominiums required site design and excavation and replacement of deleterious material prior to foundation construction at an abandoned manufacturing site. Mr. Berry coordinated subsurface borings and excavation procedures, material selection and placement and foundation design and construction activities.

### **Fluid Process Facility** | Leominster, MA

Mr. Berry coordinated with the owner of an industrial solutions facility to restore the structural steel frame and add diamond plate to the existing grate floor. Mr. Berry was responsible for the structural design and document preparation for repair of the facility and reconstruction of the mezzanine and steel plate.

## **ADDITIONAL REPRESENTATIVE PROJECTS:**

### **COMMERCIAL**

- **Vehicle Storage Building** | West Boylston Municipal Light Plant, Crescent St, West Boylston, MA
- **Solid Waste Transfer Facility** | West Warwick, RI
- **Transfer Station** | Marlborough, MA
- **Transfer Station** | Saugus, MA

### **RESIDENTIAL**

- **Modular Residential Building** | 126 Pleasant Street, Marlborough, MA

