



20160747
Blanket Contract

City of Springfield Blanket Contract Tracer Document

The purpose of this document is to provide continuous responsibility for the custody of **BLANKET CONTRACTS** during the processing period.

INSTRUCTIONS: Upon receipt, please initial and write in the date of receipt. When your department has approved and signed the blanket contract, please initial and date in the forwarding section and deliver to the next department.

DEPARTMENT	DATE RECEIVED		DATE FORWARDED TO NEXT DEPT.	
	Initials	Date	Initials	Date
Office of Procurement			RW,	02/04/2016
Public Works, Dept.	CV	2/11/2016	CV	2/12/2016
City Comptroller	LL	2/17/16	BS	2-17-16
Law	PF	2-18-16	PF	2-18-16
CAFO	H2P	2/19/16	H2P	2/19/16
Mayor	aj	2/19/16	aj	2/19/16
Office of Procurement			RW	2/19/16

Vendor No.: 95790 Blanket Contract No.: 20160747 Blanket Contract Date: 03/27/16

Blanket Contract Amt.: \$500,000.00 Issue Date: 02/04/16 Renewal Date: 01/01/2017

Appropriation Code1:
Appropriation Code2:
Appropriation Code3:
Appropriation Code4:

Description of Funding Source:

Bid No.: 16-061 Requisition No.: PO No.:

Vendor Name: WESTON & SAMPSON ENGINEERS, INC.

Blanket Contract Type:

Blanket Contract Purpose: ON-CALL ENGINEERING SERVICES

Originating Dept.: DPW

Expiration Date: 03/26/2019 Amendment Date: Extension Date:

TYPE OF DOCUMENT (Please select at least one):

New Renewal Amendment Extension

CITY CONTRACT NO: 20160747

**AGREEMENT FOR PROFESSIONAL ON-CALL ENGINEERING SERVICES
FOR VARIOUS CITY DEPARTMENTS**

This AGREEMENT ("Agreement") is entered into and effective as of March 27, 2016, and is made by and between the **CITY OF SPRINGFIELD**, a Massachusetts municipal corporation with a principal office at 36 Court Street, Springfield, Massachusetts 01103, acting by and through its Chief Administrative and Financial Officer, and Director of the Department of Public Works, with the approval of its Mayor, (hereinafter called the "**OWNER**" or "**City**"), and **WESTON & SAMPSON ENGINEERS, INC.**, a Massachusetts corporation with a usual place of business at 5 Centennial Drive, Peabody, MA 01960 (hereinafter called the "**ENGINEER**").

WITNESSETH:

WHEREAS, the OWNER desires to retain one or more multidisciplinary Engineering firms to provide Professional Engineering Services on an "On Call" basis for various City projects; and

WHEREAS, the City issued a Request for Qualifications for On-Call Engineering Services for the Department of Public Works (Bid No. SPG-16-061) and various City departments, and selected the ENGINEER for the award of a contract; and

WHEREAS, the ENGINEER represents and warrants that the ENGINEER, and its subsidiary organizations and subcontractors, meet the criteria set forth in Bid No. SPG-16-061 and that the ENGINEER possesses the necessary knowledge and experience to perform the Work and services herein described; and

WHEREAS, the OWNER desires to retain the ENGINEER on the terms and conditions set forth in this Agreement and the ENGINEER has agreed to accept such terms and conditions;

NOW, THEREFORE, in consideration of the mutual covenants and agreements hereinafter contained, the parties hereto do hereby agree as follows:

ARTICLE 1: TERM

The term of this AGREEMENT shall be for an initial period of ONE (1) year starting March 27, 2016 and ending March 26, 2017. The OWNER in its sole discretion shall have the option to extend this AGREEMENT on a yearly basis for up to two (2) additional one-year terms. The OWNER will notify the ENGINEER of any renewal in writing approximately sixty (60) days prior to the expiration of the preceding contract term.

ARTICLE 2: SCOPE OF SERVICES

- A) On Call Engineering Services are to be provided only at the request of the OWNER, acting through its Department of Public Works and various other departments, as described in the City's "Request for Qualifications/Proposals for On Call Engineering Services (Bid No. SPG-16-061)", which is attached hereto as Appendix F and incorporated herein by reference. Services will be requested on an as needed basis, and the OWNER is not required to request any services. The OWNER retains the right to procure engineering services otherwise than by this Agreement.
- B) The ENGINEER agrees to furnish the OWNER with the following general engineering services on an "as needed" basis, :
- 1) Consultation and Advice;
 - 2) Feasibility Studies;
 - 3) Field Investigation and Engineering Data Collection;
 - 4) Engineering Reports;
 - 5) Land Surveying;
 - 6) Construction Cost Estimating;
 - 7) Design Services, whole or in part;
 - 8) Construction Management and Inspection;
 - 9) Materials Testing;
 - 10) Value Engineering;
 - 11) Expert Testimony;
 - 12) Environmental Assessments;
 - 13) Landfill Services;
 - 14) Preparation of O&M Manuals;
 - 15) State of Federal Agency Mandate Compliance.
- C) The ENGINEER may be required to accomplish projects which are too large for execution by the OWNER and /or which require special expertise including but not limited to the following:
- 1) Architectural Services;
 - 2) Aerial Surveys;
 - 3) Bridge Engineering;
 - 4) Composting;
 - 5) Construction Inspection & Administration;
 - 6) Construction Management;
 - 7) Electrical Engineering;
 - 8) Environmental Permitting;
 - 9) Environmental Sciences and Engineering;
 - 10) Geographic Information Systems;
 - 11) Flood Control Systems;
 - 12) Highway and Street Engineering;
 - 13) Land Surveying;

- 14) Building Inspections and Assessments;
- 15) Mechanical Engineering;
- 16) Pavement Management;
- 17) Solid Waste Management;
- 18) Traffic Engineering;
- 19) Hazardous Material;
- 20) Geotechnical Engineering.

- D) The ENGINEER will provide a wide range of design and specialized consulting services through the medium of an appropriately staffed division or subsidiary organizations or subcontractors. The ENGINEER shall require that the subsidiary organizations or subcontractors be directed by a professional engineer with the requisite training and experience in the specialized field. The ENGINEER always retains the primary responsibility for all aspects of the projects as assigned.
- E) The ENGINEER will at all times employ, maintain, and assign to the performance of a project a sufficient number of competent and qualified professional and other personnel to meet the project requirements.
- F) The ENGINEER shall establish and maintain a Quality Assurance Plan setting forth the ENGINEER'S policy for quality assurance and procedures for implementing that policy. The Quality Assurance Plan must apply to all employees, subsidiaries, and subcontractors engaged in work for the project and must include regular and written procedures for performance of all Project activities, and provide sufficient information to Senior Management to enable effective supervision of the Project. The existence of the Quality Assurance Plan does not diminish in any way the responsibility of the ENGINEER to perform all work in a manner consistent with the degree of skill and care ordinarily exercised by practicing design professionals performing similar services in the same locality, at the same site and under the same or similar circumstances and conditions.
- G) The ENGINEER shall maintain an effective internal control system sufficient to provide controls on Design review, quality assurance, project scheduling, personnel allocation, and financial control.
- H) CHANGES: The OWNER may make or approve changes within the general scope of services in this AGREEMENT. If such changes affect the ENGINEER'S cost or the time required for performance of the services, an equitable adjustment mutually agreeable to the OWNER and ENGINEER will be made through an amendment to this AGREEMENT signed by all parties. The ENGINEER is required to make a timely written request for any such changes being requested by the ENGINEER.
- I) The ENGINEER must have an office location in Massachusetts, and a prime work location within 50 miles of the City of Springfield.

ARTICLE 3: PROJECT ORDERS

A) FURNISH ALL SERVICES DESCRIBED HEREIN IN ACCORDANCE WITH THE FOLLOWING OVERALL OBJECTIVES:

The ENGINEER shall provide services as may be required and requested by the OWNER. Provision of these services is to be accomplished under a series of definitive written Project Orders from the OWNER to the ENGINEER, in the form attached hereto as Appendix A. The Project Order will identify the work to be accomplished; the limit of compensation for each Project Order using the personnel labor rates contained in the ENGINEER'S rate schedule submitted with its Response to the RFQ, which is attached hereto as Appendix E; and the schedule for performing the scope of service. The City shall not be liable for services or work that is not requested by an authorized written Project Order.

B) The procedure for implementing individual Project Orders shall be as follows:

- 1) THE ENGINEER shall be notified by the OWNER of the specific Project(s) to be performed, whereupon the ENGINEER and the OWNER shall mutually formulate a Scope of Services for each Project Order.
- 2) THE ENGINEER shall prepare a written proposal stating:
 - a) The Scope of Services;
 - b) The proposed schedule for completion;
 - c) The estimated staffing, number of man-hours for each profession, Direct labor costs, other direct costs (reimbursable expenses), and any other anticipated fees or costs associated with the accomplishment of the Project Order;
 - d) An estimated Lump Sum Not to Exceed fee, supported by a list of tasks and the estimated cost for each task identified, listing job classifications and man hours required in each job classification, based on hourly rates submitted with the ENGINEER's response to the RFQ for the Specific Project Order; and,
 - e) A detailed description and estimate of Direct Expenses the ENGINEER will incur on the Project, without markup;
 - f) A list of any materials or information required from the OWNER to complete the Project Order Scope of Services.
 - g) All matters that should be included in a Project Order;

See Paragraph 3(C) below.

- 3) Following OWNER review and approval of the ENGINEER's proposal, the agreed upon terms and provisions shall be prepared in Project Order format (Appendix A) and duly executed by both parties. Only the Department Head of the applicable City Department shall have the authority to execute a Project Order on behalf of that department.
- 4) No work is authorized on the Project Order until the ENGINEER has received a Notice to Proceed from the OWNER for the specific Task. Such authorization shall be in the form of a written letter signed by the Department Head of the applicable City Department. Any work performed prior to receiving such Notice to Proceed shall be at

the ENGINEER'S risk. No work on the final design of any project shall be performed by the ENGINEER without the prior written authorization of the OWNER. All requests for change orders to the Project Order must be made in writing and timely (within ten calendar days of the precipitating event or receipt of information) by the ENGINEER or be considered waived.

- 5) For the purposes of this entire contract, OWNER authorization or approval shall mean written approval signed by the Department Head of the applicable department. No other employee of the applicable City department shall have the authority to authorize or approve any terms, conditions, or changes to Project Orders or this Agreement.

C) INFORMATION TO BE INCLUDED IN THE ENGINEER'S PROPOSAL FOR THE PROJECT ORDER:

- 1) The total estimated engineering cost, along with an hourly rate fee schedule, must be included for the different job classifications that will be assigned to the project. Individual employee salaries are not required.
- 2) A summary, by task, of the man-hours projected for each job classification to be assigned to the project shall also be included along with a statement that the fee schedule shall remain valid for the length of the contract.
- 3) The ENGINEER is required to certify in writing in the proposal that the total estimated engineering cost is based on a Lump Sum "not to exceed" basis which will include all expenses, and that amount will not be exceeded without prior written authorization from the OWNER.
- 4) Increases or decreases in the scope of the project may result in an adjustment to the approved Lump Sum fee. Authorization to increase the approved Lump Sum fee will not be considered unless it can be clearly established that actual work is required beyond the currently approved scope of work.
- 5) The work associated with the total project shall be divided into various project tasks, along with the estimated cost for each task identified.
- 6) The ENGINEER must provide a time schedule, in bar graph form, from the Notice to Proceed to completion of the various tasks, as well as a statement requiring that the ENGINEER obtain written approval from the OWNER prior to proceeding into the Final Design phase.
- 7) The ENGINEER shall provide a statement establishing the length of the contract.
- 8) The ENGINEER shall include a copy of the proposed Organization Chart for the Project for the OWNER'S approval. The Organization Chart shall delineate the names, titles, and job duties of all the ENGINEER'S employees as well as any sub-consultants/subcontractors responsible for performance under the Project.

- 9) The ENGINEER shall designate in writing one person for each Project who, on the ENGINEER'S behalf, shall be responsible for directing and coordinating all of the services to be rendered by the ENGINEER under the Project. Such designee shall be subject to the approval of the OWNER based on the experience and professional licensing requirements.
 - 10) A description of the ENGINEER'S proposed approach and methods of operation for accomplishing the work of the project.
 - 11) The ENGINEER shall include a statement that all work on the project shall be performed in accordance with the provisions in this document unless otherwise noted. The ENGINEER shall comply with the OWNER'S Request for Qualifications (Appendix F), the OWNER's Engineering Specifications/ Guidelines-December 1991 (Appendix B) and Hampden County Registry of Deeds Plan Regulations (Appendix C).
 - 12) The ENGINEER shall indicate an estimated maximum number of record plats that will be required and the fee per plat. The ENGINEER shall include a statement that final fee for this task shall be adjusted based on the actual number of plats prepared.
 - 13) Unless otherwise noted, the original and two (2) copies of the proposal shall be submitted to the Director of the appropriate City department. Original signatures must appear on all copies of the proposal submitted.
- D) The OWNER will review the ENGINEER'S proposal, and if approved by the OWNER, the agreed upon terms and provisions shall be prepared by the OWNER in Project Order format (Appendix A) and duly executed by all necessary parties. Only the Director shall have authority to execute a Project Order on behalf of the Department.
- E) No work is authorized on the Project Order until the ENGINEER has received a Notice to Proceed from the OWNER for the specific project and the Project Order is signed by all necessary parties. Any work performed by the ENGINEER prior to receiving such Notice to Proceed shall be at the ENGINEER'S sole risk and expense.
- F) PAYMENT FOR PROJECT ORDERS:
- 1) The method of payment shall be the Lump Sum "not to exceed" basis, including expenses, in accordance with Article 4 of this Agreement, with monthly billing based on work performed. Concise progress reports must be submitted with each payment request stating work completed and the status of the various project tasks. Payment requests shall correspond directly with the project tasks as outlined in the proposal. The following provisions shall be applicable to these payments:
 - a) Progress payments will be made up to ninety-five (95%) percent of the total Lump Sum amount.
 - b) The remaining five (5%) percent of the total Lump Sum amount will be paid

following final acceptance of the completed design documents, report or project deliverable to the Director of the applicable City department. The Date of Final Acceptance shall be determined solely by the Director of the applicable City Department.

- c) At such time that either the payment request or the actual work completed reaches fifty (50 %) percent of the total amount, the ENGINEER and the OWNER shall meet to review the project status and projected completion schedule.
- d) The following statement is to be included on all invoices:

"I certify that the amount of this invoice is just and correct and in accordance with the terms of the contract, and payment thereof has not been previously received."

Signature: _____
Title: _____
Date: _____

ARTICLE 4: COMPENSATION

- A) All obligations of the OWNER are subject to the prior appropriation to meet said obligations.
- B) The OWNER is not obligated for any compensation or any expenses of any kind unless the OWNER has given prior approval therefore.
- C) Compensation by the OWNER to the ENGINEER will be as follows:
 - 1) A FIXED LUMP SUM, "NOT TO EXCEED" FEE FOR EACH PROJECT, INCLUDING ALL EXPENSES. ALL OF THE CITY'S OBLIGATIONS UNDER THIS AGREEMENT SHALL BE SUBJECT TO THE PRIOR APPROPRIATION OF FUNDS FOR SUCH OBLIGATION.
 - 2) The Not to Exceed Fee for each project shall be based on the rates contained in the ENGINEER'S Price Proposal attached hereto as **Appendix E**:
 - 3) For any extension terms, if the OWNER and the ENGINEER do not agree to maintain the rates as set forth in **Appendix E**, then the Consumer Price Index (C.P.I.U.), The United States City Average-All Urban Consumers, as determined by the Bureau of Labor Statistics, shall be utilized for any price adjustment from the previous year's prices. The compensation for extension terms will not increase greater than the C.P.I.U. for the previous twelve (12) months. This index will be computed two (2) months prior to the expiration of this Agreement.
- D) BUDGET:

- 1) A total not to exceed first year budgetary amount of FIVE HUNDRED THOUSAND DOLLARS (\$500,000.00) is hereby established for services in ARTICLE 2.
- 2) Each Project Order will be executed as a written amendment to this Agreement and will contain a not to exceed fee for that Project, which will be subject to appropriation. The ENGINEER will make every reasonable effort to complete the work on assigned projects within the project budget, and will keep the OWNER informed of progress toward that end so that the budget or work effort can be adjusted if found necessary.
- 3) The ENGINEER is not obligated to incur costs beyond the not to exceed fee, as may be adjusted, nor is the OWNER obligated to pay the ENGINEER in excess of the not to exceed fee.
- 4) When any budget has been increased, the ENGINEER'S excess costs expended prior to such increase will be allowable to the same extent as if such costs had been incurred after the approved increase, provided the OWNER has approved such excess costs.

E) DEFINITIONS

- 1) **DIRECT SALARIES:**
Direct Salaries are the amount of wages or salaries paid to the ENGINEER'S employees for work directly performed on the PROJECT, exclusive of all payroll-related taxes, payments, premiums, and benefits. The ENGINEER may not mark-up direct salaries. Compensation amounts shall be consistent with the ENGINEER's rate schedule in response to the RFQ (Appendix E).
- 2) **SALARY COSTS:**
Salary Costs are the amount of wages or salaries paid ENGINEER'S employees for work directly performed on the PROJECT. Such costs are determined by the ENGINEER'S price proposal attached hereto as Appendix E.
- 3) **DIRECT EXPENSES:**
Direct Expenses are those costs incurred on, or directly for, the PROJECT, including but not limited to: necessary transportation costs, including mileage at ENGINEER'S current rate when its automobiles are used, meals and lodging, laboratory tests and analyses, computer services, word processing services, telephone, printing, binding and reproduction charges, all costs associated with outside consultants, sub-consultants, and other outside services and facilities, and other similar costs. Reimbursement for Direct Expenses will be on the basis of actual charges, without any mark up. A 5% fee may be added to all subcontractors costs.

ARTICLE 5: TERMS OF PAYMENT FOR PROGRESS PAYMENTS FOR PROJECT ORDERS

- A) It is anticipated that progress payments for each Project Order shall be made to the ENGINEER monthly. The ENGINEER shall not be paid more for any Project Order at any time than would be due on a percentage of completion basis with respect to that Project Order as determined by the OWNER.

B) The OWNER need not process a request by the ENGINEER for payment unless the ENGINEER submits invoices meeting the following conditions:

- 1) Proper Invoice: In addition to any other requirement set forth in this contract with respect to what constitutes a proper invoice or for the ENGINEER to be entitled to receive payment, the ENGINEER's invoice, in triplicate, must set forth the following:
 - a) A description, with specificity, of the goods delivered, work performed, services rendered, or other event initiating entitlement to payment pursuant to the terms hereof.
 - b) That portion of the contract price related to such payment less any deductions, such as retainage, required pursuant to the terms hereof.
 - c) The contract number and purchase order number: Should the invoice not be calculated correctly, such as not taking into account retainage as a deduction, the OWNER may either reject the invoice or treat the invoice as proper only to the extent of the correct calculation.
 - d) Should the invoice not be calculated correctly, the OWNER may either reject the invoice or treat the invoice as proper only to the extent of the correct calculation of the amount thereof.
 - e) The invoice is to be delivered to:

The Department of Public Works
Attn. Director of DPW
Christopher M. Cignoli, P.E.
City of Springfield
70 Tapley Street
Springfield, MA 01104

Or to the appropriate City Department Head.

- 2) Supporting Documentation: In addition to any other requirement set forth in this contract with respect to what supporting documentation must accompany an invoice, the following documents must be attached to any invoice submitted by the ENGINEER:
 - a) A complete itemized listing of all employees, by name, with and itemization of hours worked and hourly rates.
 - b) Out-of-Pocket Expenses: A summary showing all charges that are actual and are in conformity with the contract and have not previously been charged. In addition, copies of paid invoices are required.

- c) Such other supporting documentation as the sub-consultant's payment forms and support, or similar.
- d) For contracts requiring payment upon milestones of performance, a certificate, or equivalent document, that the milestone has been achieved.
- e) Any other documentation reasonably requested by the OWNER.

ARTICLE 6: OBLIGATIONS OF THE ENGINEER

Amendments to ARTICLE 6, if any, will be included in the Project Order.

A) ENGINEER'S Representations: By entering into this Agreement with the OWNER, the ENGINEER represents and warrants the following:

- 1) That the ENGINEER is experienced in and competent to perform the type of work required;
- 2) That the ENGINEER is financially solvent, able to pay the ENGINEER'S debts as they mature, and possesses sufficient working capital to initiate and complete the work required under the Agreement;
- 3) That the ENGINEER is familiar with all Federal, State, County, Municipal and departmental laws, ordinances, permits, regulations and resolutions applicable to the work which may in any way affect the work of those employed therein, including but not limited to any special acts relating to the work or any part thereof;
- 4) That such temporary and permanent work required by the Contract which is to be done by the ENGINEER will be satisfactorily performed;
- 5) That the ENGINEER will fully comply with all requirements in the Agreement;
- 6) That the ENGINEER will perform the work consistent with sound Project Management practice, good workmanship, and sound business practices, and in the most expeditious and economical manner consistent with such standards and OWNER'S interests;
- 7) That the ENGINEER will furnish efficient business administration and experienced management and an adequate supply of employees at all times;
- 8) That the ENGINEER will complete the work within the Project/Task Time, milestones, and price unless adjusted by agreement of the parties hereto.

B) SUBSURFACE INVESTIGATIONS:

In soils, foundation, groundwater, and other subsurface investigations, the actual characteristics may vary significantly between successive test points and sample intervals

and at locations other than where observations, explorations, and investigations have been made. Because of the inherent uncertainties in subsurface evaluations, the OWNER and the ENGINEER acknowledge that changed or unanticipated underground conditions may occur that could affect total PROJECT cost and/or execution. The ENGINEER shall use the ENGINEER'S best efforts to keep the OWNER fully apprised regarding subsurface conditions.

C) ENGINEER'S PERSONNEL AT CONSTRUCTION SITE:

- 1) The presence or duties of the ENGINEER'S personnel at a construction site, whether as onsite representatives or otherwise, do not make the ENGINEER or it's personnel in any way responsible for those duties that belong to the OWNER and/or the construction contractors or other entities, and do not relieve the construction contractors or any other entity of their obligations, duties and responsibilities, including, but not limited to, all construction methods, means, techniques, sequences and procedures necessary for coordination and completing all portions of the construction work in accordance with the Contract Documents and any health or safety precautions required by such construction work.
- 2) The ENGINEER and its personnel have no authority to exercise any control over any construction contractor or other entity or their employees in connection with their work or any health or safety precautions and have no duty for inspecting, noting, observing, correcting or reporting on health or safety deficiencies of the construction contractor or other entity or any other persons at the site except ENGINEER'S own personnel.

D) OPINIONS OF COST, FINANCIAL CONSIDERATIONS, AND SCHEDULES:

In providing opinions of cost, financial analyses, economic feasibility projections, and schedules for the PROJECT, the ENGINEER has no control over cost or price of labor and materials; unknown or latent conditions of existing equipment or structures that may affect operation or maintenance costs; competitive bidding procedures and market conditions; time or quality of performance by third parties; quality, type, management, or direction of operating personnel; and other economic and operational factors that may materially affect the ultimate PROJECT cost or schedule. Therefore, the ENGINEER makes no warranty that the OWNER'S actual PROJECT costs, financial aspects, economic feasibility or schedules will not vary from the ENGINEER'S opinions, analyses, projections or estimates. When the OWNER requires the ENGINEER to prepare quantity and material take-offs and/or opinions of cost from plans and specifications that are less than one hundred (100%) percent complete, the ENGINEER will not be responsible for any and all loss, liability or claims resulting from the incompleteness.

E) CONSTRUCTION PROGRESS PAYMENTS:

Recommendations by the ENGINEER to the OWNER for periodic construction progress payments to the construction contractor will be based on the ENGINEER'S knowledge, information, and belief from selective sampling that the work has progressed to the point indicated. Such recommendations do not represent that continuous or detailed

examinations have been made by the ENGINEER to ascertain that the construction contractor has completed the work in exact accordance with the contract documents; that the final work will be acceptable in all respects; that the ENGINEER has made an examination to ascertain how or for what purpose the construction contractor has used the monies paid; that title to any of the work, materials, or equipment has passed to OWNER free and clear of liens, claims, security interests, or encumbrances; or that there are not other matters at issue between OWNER and the construction contractor that affect the amount that should be paid.

F) RECORD DRAWINGS:

Record drawings, if required, will be prepared, in part, on the basis of information compiled and furnished by others, and may not always represent the exact locations, type of various components, or exact manner in which the PROJECT was finally constructed. The ENGINEER is not responsible for any errors or omissions in the information from others that are incorporated into the record drawings as long as the ENGINEER reasonably believes such information to be correct.

G) ACCESS TO ENGINEER'S ACCOUNTING RECORDS:

Right to Audit: The ENGINEER shall maintain books, records, and accounts of all costs in accordance with generally accepted accounting principles and practices. The OWNER or its authorized representative shall have the right to audit the books, records, and accounts of the ENGINEER under any of the following conditions:

- 1) If the Contract is terminated for any reason in accordance with the provisions of these Contract Documents in order to arrive at equitable determination of costs;
- 2) In the event of a disagreement between the ENGINEER and the OWNER on the amount due the ENGINEER under the terms of this Contract;
- 3) To check or substantiate any amounts invoiced or paid which are required to reflect the costs of the ENGINEER, or the ENGINEER's efficiency or effectiveness under this Contract or in connection with extras, changes, additions, back charges, or other, as may be provided for in this Contract; and/or
- 4) If it becomes necessary to determine the OWNER'S rights and the ENGINEER'S obligations under the Contract or to ascertain facts relative to any claim against the ENGINEER which may result in a charge against the OWNER.
- 5) To provide any required information to a funding source of the OWNER.
- 6) Under these stated conditions, The OWNER shall have unlimited access during normal working hours to the ENGINEER'S books and records for an audit; and the ENGINEER shall cooperate with the performance of the audit including but not limited to providing copies of requested documents.

H) ENGINEER'S INSURANCE:

The ENGINEER will maintain at a minimum throughout this AGREEMENT the following insurance:

- 1) Worker's compensation and employer's liability insurance as required by the state or province where the work is performed.
 - 2) Comprehensive automobile and vehicle liability insurance covering claims for injuries to members of the public and/or damages to property of others arising from use of motor vehicles, including onsite and offsite operations, and owned, non-owned, or hired vehicles, with \$1,000,000 combined single limits.
 - 3) Commercial general liability insurance covering claims for injuries to members of the public or damage to property of others arising out of any covered act or omission of the ENGINEER or of any of its employees, agents, or subcontractors, with \$1,000,000 combined single limits.
 - 4) Professional liability insurance of \$2,000,000.
 - 5) OWNER will be named as an additional insured with respect to liabilities hereunder in insurance coverages identified in items "2" and "3", and ENGINEER waives subrogation against OWNER as to said policies.
- D) If the ENGINEER claims that the ENGINEER or any of its subsidiaries or sub-contractors is held up or cannot perform the work because of a failure on the part of the OWNER, then the ENGINEER must timely (within ten calendar days of the knowledge of this failure) and in writing inform the OWNER of this fact or the claim is considered waived.
- J) **CONTRACTOR INDEMNIFICATION:**

Regarding all Construction Contracts for which the ENGINEER provides assistance to the OWNER, the ENGINEER agrees to include the following paragraph in all such construction contracts for the OWNER that are associated with this project.

- 1) It is mutually covenanted and agreed that the relationship of the Contractor and the OWNER to the work to be performed by the Contractor under this Contract shall be that of an independent contractor. The Contractor will be responsible for all damages, loss or injury, including death, to persons or property that may arise or be incurred in or during the conduct and progress of said work and as the result of any action, omission or operation under the Contract or in connection with the Work under the Contract, whether such action, omission or operation is attributable to the Contractor, the Subcontractor, any material supplier, anyone directly or indirectly employed by any of them, or any other person. The Contractor shall make good any damages that may occur in consequence of the Work or any part of it. The Contractor shall assume all liability, loss and responsibility of whatsoever nature by reason of his neglect or violation of any Federal, State, County, or local laws, regulations, or ordinances.

2) The Contractor shall indemnify, hold harmless, and defend the OWNER and ENGINEER, their employees, agents, servants, and representatives from and against any and all claims, suits, demands, actions, costs (including attorney's fees) and damages of whatever nature, regardless of the merit thereof, which may be asserted against the OWNER and/or ENGINEER on account of any such damages or injuries, including death, arising out of or resulting from the performance of the Contractor's Work or the failure to perform the Contractor's Work, including jurisdictional labor disputes or other labor troubles that may occur during the performance of the Contractor's Work, whether or not such damages or injuries, including death, are caused in part by the negligence of the OWNER and/or ENGINEER, their employees, agents, servants, or representatives; provided, however, that the Contractor shall not be obligated to indemnify the OWNER and/or ENGINEER hereunder for any damages or injuries, including death, caused by or resulting from the sole negligence of the OWNER and/or ENGINEER.

3) The indemnification obligations under this Article shall not be affected in any way by any limitation on the amount or type of damages, compensation or benefits payable by or for the Contractor or Subcontractor under worker's or workman's compensation acts, disability benefit acts, or other employee benefit acts.

4) The obligations of the Contractor under this Article shall not extend to the liability of the ENGINEER, his agents, or employees, arising out of: (1) the preparation or approval of maps, drawings, opinions, reports, surveys, change orders, designs, or specifications, or (2) the giving of or the failure to give directions or instructions by the ENGINEER, his agents or employees provided such giving or failure to give is the primary cause of the injury or damage.

5) The above indemnification language will be the standard provisions included in OWNER'S Construction Contract Documents.

K) LITIGATION ASSISTANCE:

The Scope of Services will include services of the ENGINEER for required or requested assistance to support, prepare, document, bring, defend, or assist in litigation undertaken or defended by the OWNER. All such services required or requested of the ENGINEER, except for suits or claims between the parties to this AGREEMENT, will be reimbursed as mutually agreed, and payment for such services shall be in accordance with ARTICLE 5.

L) SERVICES OF ENGINEER:

The OWNER'S specifications/guidelines for typical land survey, street design and/or drainage design are included in Appendix B. Unless this Agreement is modified or terminated, the OWNER will have all services specified in this AGREEMENT performed by the ENGINEER, employing OWNER'S standard form and content of drawings and specifications except as may be modified in the Project Order. The ENGINEER shall also comply with the Hampden County Registry of Deeds Plan Regulations (Appendix C).

ARTICLE 7: OBLIGATIONS OF THE OWNER:

Amendments to ARTICLE 7, if any, will be included in the Project Order.

- A) **OWNER-FURNISHED DATA:**
The OWNER may provide to the ENGINEER all technical data in the OWNER'S possession, including, but not limited to, previous reports, maps, surveys, borings, and all other information relating to the ENGINEER'S services on the PROJECT. The ENGINEER may, where reasonable, rely upon the accuracy, timeliness, and completeness of the information provided by the OWNER.
- B) **ACCESS TO FACILITIES AND PROPERTY:**
The OWNER will make its facilities accessible to the ENGINEER as required for the ENGINEER'S performance of its services and will provide labor and safety equipment as required by the ENGINEER for such access. The OWNER will perform, at no cost to ENGINEER, such tests of equipment, machinery, pipelines, and other components of the OWNER'S facilities as may be required in connection with ENGINEER'S services, unless otherwise agreed to.
- C) **ADVERTISEMENTS, PERMITS, AND ACCESS:**
Unless otherwise agreed in the Scope of Services, the OWNER will obtain, arrange, and pay for all advertisements for bids, permits and licenses required by local, state, province, or federal authorities; and land, easements, right-of-way, and access necessary for the ENGINEER'S services or PROJECT construction.
- D) **TIMELY REVIEW:**
The OWNER may examine the ENGINEER'S studies, reports, sketches, drawings, specifications, proposals, and other documents; and may obtain advice of an attorney, insurance counselor, accountant, auditor, and other consultants as the OWNER deems appropriate; and render in writing decisions required of OWNER in a timely manner. Such review or examination shall not diminish the ENGINEER'S responsibilities under this Agreement.
- E) **PROMPT NOTICE:**
The OWNER will give prompt written notice to ENGINEER whenever the OWNER observes or becomes aware of any development that affects the scope of timing of ENGINEER'S services, or any defect in the work of the ENGINEER or construction contractors. The giving or failure to give such notice shall not diminish the ENGINEER'S responsibilities under this Agreement.
- F) **DISPUTES:**
The Director of Department shall decide on all matters of contract dispute as raised by the ENGINEER, except such matters which this contract states are the duty of the ENGINEER to determine.
- G) **NOTIFICATION OF DELAY:**
If the ENGINEER claims that the ENGINEER is delayed or cannot perform the work

because of a failure on the part of the OWNER, then the ENGINEER must timely (within ten calendar days of the knowledge of this failure) and in writing inform the OWNER of this fact, and the period of delay, or approximate period of delay if not then known, or the claim shall be considered waived.

H) **ASBESTOS OR HAZARDOUS SUBSTANCES:**

If asbestos or unanticipated hazardous substances in any form are encountered or suspected, the ENGINEER shall immediately notify the OWNER and may stop its own work in the affected portions of the PROJECT to permit testing and evaluation of the problem. If asbestos is suspected, the ENGINEER will, if requested, assist the OWNER in contacting regulatory agencies and in identifying asbestos testing laboratories and demolition/removal contractors or consultants. If asbestos is confirmed, the OWNER may engage a specialty consultant or contractor to study the affected portions of the work and perform all remedial measures. If unanticipated hazardous substances other than asbestos are suspected, the ENGINEER may conduct tests as directed by the OWNER to determine the extent of the problem and may perform the necessary studies and recommend the necessary remedial measures at an additional fee to be negotiated.

ARTICLE 8: GENERAL LEGAL PROVISIONS

Amendments to ARTICLE 8 if any, will be included in the Project Order.

A) **EFFECTIVE DATE OF AGREEMENT:**

This AGREEMENT shall become effective upon full execution by the authorized representatives of the OWNER and the ENGINEER. The full execution of each Project Order by the authorized representatives of the OWNER and the ENGINEER, and a NOTICE TO PROCEED from the OWNER, will constitute authorization for ENGINEER to proceed with the work, unless otherwise provided for under this AGREEMENT.

B) **REUSE OF PROJECT DOCUMENTS:**

All designs, drawings, specifications, documents, and other Work Products of the ENGINEER are instruments of service for the PROJECT whether the PROJECT is completed or not and they become the property of the OWNER. The ENGINEER does not warrant or represent that any Work Products are suitable for use on any project other than this project, and that any such reuse without specific written authorization by the ENGINEER will be at the sole risk of the OWNER.

C) **FORCE MAJEURE:**

The ENGINEER and the OWNER shall not be responsible for damages or delay in performance caused by acts of God, strikes, lockouts, or events within the exclusive control of the other party. Any party claiming a delay due to force majeure must notify the other party of the same within 2 business days, and the notice must contain a description of the force majeure event causing the delay, and a good faith estimate of the period of delay.

D) TERMINATION:

1) Termination of Contract by the OWNER for Cause:

If, through any cause, the ENGINEER shall fail to fulfill to the OWNER'S satisfaction in a timely and proper manner the ENGINEER'S obligations under this contract, or if the ENGINEER shall violate any of the covenants, agreements, or stipulations of this contract, the OWNER shall thereupon have the right to terminate this contract, by specifying the effective date thereof, in writing, at least five (5) days before the effective date of such termination. If the ENGINEER does not cure the default to the satisfaction of the OWNER within the five (5) day period, then the contract shall terminate. Upon termination, all finished or unfinished documents, data, studies, surveys, drawings, maps, models, and reports prepared by the ENGINEER under this contract shall be delivered by the ENGINEER to the OWNER within seven (7) days. The ENGINEER shall be entitled to receive just and equitable compensation for satisfactory and undisputed work completed prior to termination.

2) Termination of Contract by OWNER for Convenience:

This Agreement may be terminated without cause and for convenience by the OWNER by giving the ENGINEER thirty (30) calendar days written notice of termination signed by the Mayor or his designee, however, the ENGINEER shall be entitled to receive payment for all undisputed work satisfactorily completed up to the effective date of termination.

3) Remedies of the OWNER:

In addition to the right to terminate the contract, the OWNER shall also have the right to secure substitute services at the expense of the ENGINEER, require the ENGINEER to perform the promised services, withhold further payment from the ENGINEER until the services are performed, or, if applicable, call the ENGINEER'S letter of Credit/Escrow Funds to the extent of the loss caused to or costs incurred by the OWNER as a result of the ENGINEER'S failure to perform.

4) In the event of termination of this Agreement, at the option of the OWNER, all originals of documents, data, papers, studies and reports prepared by the ENGINEER immediately shall become OWNER property and immediately be delivered by the ENGINEER to the OWNER. In the event of such termination, the ENGINEER shall be entitled to receive just and equitable compensation for any satisfactory work performed as of the termination date.

E) SUSPENSION, DELAY OR INTERRUPTION OF WORK:

The OWNER may suspend, delay or interrupt the services of the ENGINEER for the convenience of the OWNER. In the event of force majeure or such suspension, delay, or interruption, an equitable adjustment in the PROJECT'S schedule, commitment and cost of ENGINEER'S personnel and subcontractors, and ENGINEER'S compensation will be made.

F) NO THIRD PARTY BENEFICIARIES:

This AGREEMENT gives no rights or benefits to anyone other than the OWNER and ENGINEER and has no third party beneficiaries.

G) INDEMNIFICATION:

The ENGINEER shall indemnify, defend with counsel reasonably acceptable to the OWNER, and hold the OWNER harmless from and against claims, liabilities, suits, loss, cost, expense, and damages to the extent arising from any act or omission of the ENGINEER, his employees, officers, agent, subcontractors and affiliates, in performance of the work and services pursuant to this contract. Such indemnification shall include, but not be limited to, claims of breach of contract or warranty, fault, tort, including negligence, strict liability, statutory or regulatory violations.

H) ASSIGNMENT:

Neither party shall have the right or authority to assign all or any part of this AGREEMENT without the prior written consent of the other party.

I) Reserved.

J) JURISDICTION:

This is a Massachusetts Contract. The law of the Commonwealth of Massachusetts shall govern the validity of the Agreement, its interpretation and performance, and other claims related to it. Any actions resulting from the interpretation or performance of or related in any way to this Agreement shall be brought in the Superior Court of Hampden County, Massachusetts sitting in Springfield, (except for claims by the City of a value less than \$25,000.00 which shall be brought in the District Court sitting in Springfield, Massachusetts), or the United States District Court for the District of Massachusetts, sitting in Springfield, Massachusetts.

K) SEVERABILITY AND SURVIVAL:

If any of the provisions contained in this AGREEMENT are held for any reason to be invalid, illegal, or unenforceable in any respect, such invalidity, illegality or unenforceability will not affect any other provision, and this AGREEMENT shall be construed as if such invalid, illegal or unenforceable provision had never been contained herein.

L) ARTICLES 6, 7 and 8 shall survive the termination of this AGREEMENT for any reason.

ARTICLE 9: ADDITIONAL TERMS AND CONDITIONS:

The following terms and conditions are included as part of this AGREEMENT:

- A) The ENGINEER shall maintain an Affirmative Action Program regarding the recruitment of minorities and of women that is consistent with the objectives and goals of the Massachusetts State Office of Minority and Women Business Assistance.

- B) Subletting of Contract or Contract Funds: The ENGINEER shall not assign, transfer, convey, sublet or otherwise dispose of this contract or of his right, title or interest therein, or of the power to execute such contract to any other person, firm or corporation, without the prior written consent of the OWNER. In no case shall such consent relieve the ENGINEER from the ENGINEER'S obligations or change the terms of this contract.
- C) Safeguarding of Information: Any materials given to or prepared by the ENGINEER under this contract shall not be sold or otherwise made available to any individual or organization without prior approval of the OWNER.
- D) Nondiscrimination: During the performance of this contract, the ENGINEER agrees as follows:
- 1) The ENGINEER will not discriminate against any employee or applicant for employment because of race, color, religion, gender, sexual orientation, disability, family status or national origin, or any other unlawful discrimination, except where the ENGINEER can prove that religion, gender, or national origin is a bona fide occupational qualification reasonably necessary to the normal operation of the ENGINEER. The ENGINEER agrees to post in conspicuous places, available to employees and applicants for employment, notices setting forth the provisions of this nondiscrimination clause.
 - 2) The ENGINEER, in all solicitations or advertisements for employees placed by or on behalf of the ENGINEER, will state that such ENGINEER is an equal opportunity employer.
 - 3) Notices, advertisements, and solicitations placed in accordance with federal and Massachusetts law, rule, or regulation shall be deemed sufficient for the purpose of meeting the requirements of this provision.
 - 4) The ENGINEER will include the provisions of paragraphs (1), (2) and (3) above in every subcontract or purchase order so that the provisions will be binding upon every subcontractor or vendor.
- E) Conflict of Interest: Upon the request of the Director of the appropriate City department or any authorized agent of the OWNER, as a prerequisite for any payment requested by the ENGINEER pursuant to the terms of this contract, there shall be furnished to the OWNER a statement, under oath, that no officer or employee of the City of Springfield or any member or employee of a Commission, Board, or Corporation controlled or appointed by the City of Springfield and no member of such person's immediate family, including spouse, parent or children, or any other such family member, has received or has been promised, directly or indirectly, any financial benefit, by way of fee, commission, finder's fee, or in any other manner, remuneration arising from or directly or indirectly related to this contract.
- F) Prohibition against Contingent Fees: The ENGINEER by entering into this Agreement hereby certifies that the ENGINEER has not employed any company or person other than a

bona fide employee working for the ENGINEER to secure this agreement and the ENGINEER has not paid or agreed to pay any person, company or corporation, individual or firm other than a bona fide employee working solely for the ENGINEER any favor, commission, percentage, gift, or any other consideration contingent upon or resulting from the award of making this or any other agreement. It is the ENGINEER'S understanding that in the event of a breach or violation of the provision, the OWNER shall have the right to terminate this or any other agreement with the ENGINEER immediately and without liability and at the OWNER'S discretion, to deduct from the contract price or otherwise recover, the full amount of such fee, commission, percentage, gift or consideration.

- G) The Director of the appropriate City department shall decide on all matters of contract dispute as raised by the ENGINEER.
- H) Decreases and Work Not Performed: If deemed expedient, the OWNER or ENGINEER may decrease the scope of work without effecting enforcement of this contract. If the work is not performed, the ENGINEER and the OWNER shall mutually agree upon the credit due to OWNER based on the reasonable value of the work deleted.
- I) Attorney's Fees and Other Expenses: The ENGINEER will not litigate or otherwise pursue any frivolous or unsubstantiated claims. If an ENGINEER'S claim is without substantial justification, the ENGINEER will reimburse the OWNER for all costs and expenses and attorney's fees associated with defending such claim.
- J) Compliance: The ENGINEER shall comply and all design work shall conform to all applicable and current additions or revisions of Massachusetts Statewide Building Code, at the time of the design work.
- K) ENGINEER'S Representations: By entering into this Contract with the OWNER, the ENGINEER represents and warrants the following, together with all other representations and warranties in the Contract Documents:
 - 1) That the ENGINEER is experienced in and competent to perform the type of work required;
 - 2) That the ENGINEER is financially solvent, able to pay the ENGINEER'S debts as they mature, and possesses sufficient working capital to initiate and complete the work required under the Contract;
 - 3) That the ENGINEER is familiar with all Federal, State, County, Municipal and departmental laws, ordinances, permits, regulations and resolutions applicable to its work which may in any way affect the work of those employed therein, including but not limited to any special acts relating to the work or any part thereof;
 - 4) That such temporary and permanent work required by the Contract which is to be done by the ENGINEER will be satisfactorily performed in accordance with paragraph 6 below;
 - 5) That the ENGINEER will fully comply with all requirements of the Contract Documents;
 - 6) That the ENGINEER will perform the work consistent with sound engineering

practice, good workmanship, and sound business practices, and in the most expeditious and economical manner consistent with high industry standards and in the OWNER'S interest;

- 7) That the ENGINEER will furnish efficient business administration and experienced management and an adequate supply of employees at all times; and
 - 8) That the ENGINEER will complete the work within the Project/Task Time, milestones, and price, unless adjusted by mutual agreement of the parties hereto.
- L) The OWNER retains the right to procure similar engineering services outside of this contract if it deems it to be in the OWNER'S best interest.
- M) Any notices to be given to the OWNER under this Agreement shall be given to the Director of the applicable Department of the City. Any notices to be given to the ENGINEER shall be given to:

Mr. Michael J. Scipione, P.E.
Weston & Sampson Engineers, Inc.
273 Dividend Road
Rocky Hill, CT 06067

ARTICLE 10: ATTACHMENTS, SCHEDULES AND SIGNATURES:


This AGREEMENT including its Attachments and Schedules, constitutes the entire AGREEMENT, supersedes all prior written or oral understandings, and may only be changed by a written amendment executed by both parties. The following Attachments and Schedules are hereby made a part of this AGREEMENT:

- Appendix A – Project Order Format
- Appendix B – Owner's Engineering Specifications/Guidelines
- Appendix C – Hampden County Registry of Deeds Plan Regulations
- Appendix D – ENGINEER'S Technical Proposal
- Appendix E - ENGINEER's Price Proposal
- Appendix F - Owner's Request for Qualifications/Proposals

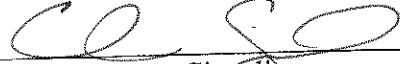
[SIGNATURE PAGE TO FOLLOW]

IN WITNESS WHEREOF, the City of Springfield (OWNER) and the ENGINEER have each hereunto set their hand and seal, effective as of the date of the last signatory.


ENGINEER:


Weston & Sampson Engineers, Inc.
By CHRISTOPHER B. WESTER
Title VICE PRESIDENT
Date Signed 2-3-2016

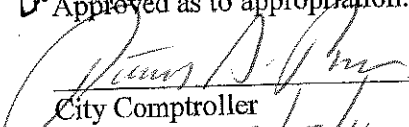
OWNER,
CITY OF SPRINGFIELD:


Christopher M. Cignoli
Director, Department of Public Works
Date Signed 2-12-16

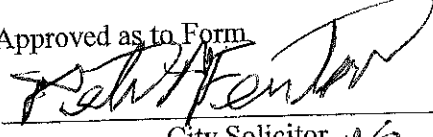
Approved:


Office of Procurement
Date Signed 2/4/16

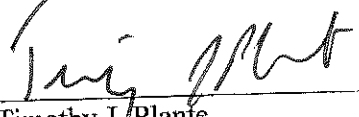
^{N/A}
LW Approved as to appropriation:


City Comptroller
Date Signed 2/17/16


Approved as to Form


City Solicitor
Date Signed 2-18-16

Reviewed:


Timothy J. Plante
Chief Administrative
And Financial Officer
Date Signed 2/19/16

Approved:


DOMENIC J. SARNO
MAYOR
Date Signed 2/19/16

CORPORATE CERTIFICATE

*THIS MUST BE THE NAME OF THE PERSON AUTHORIZED IN YOUR BY-LAWS TO SIGN CONTRACTS *

**SINCE AN OFFICER CANNOT CERTIFY TO HIMSELF, SOMEONE MUST SIGN THIS OTHER THAN THE PERSON SIGNING THE CONTRACT *

I, ** Robert A. Goober A Resident of Burlington in
The State of Massachusetts DO HEREBY CERTIFY: that I am
the Clerk/

Secretary of Weston & Sampson Engineers, Inc.

A Corporation duly Organized and existing under and by virtue of the laws of the

State of Connecticut

And that I have custody of the records of such Corporation: and that as of the date herein below recited

* Christopher B. Wester Vice President
(Officer, person who is signing the Contract) (Title)

Authorized to execute and deliver in the name and on behalf of the CORPORATION the following:

WESTON & SAMPSON ENGINEERS, INC.

CONTRACT NO. 20160747

ON-CALL ENGINEERING SERVICES

WITNESS WHEREOF, I have hereunto set my hand and affixed the Corporate Seal

Of such corporation this 8th day of February 2016

(Affix)
(Seal)
(Here)

** 

Clerk's Certificate of Vote

The undersigned, Clerk of Weston & Sampson Engineers, Inc. hereby certifies that, at a meeting duly called in accordance with the by-laws, the Board of Directors unanimously passed the following resolution on December 18, 2015.

VOTED: To authorize

Bruce W. Adams
Prasanta K. Bhunia
John A. Bocchino
Eugene R. Bolinger
Patrick J. Connelly
Barbara K. Cook
David M. Elmer

Donald G. Gallucci
Robert A. Goober
Dean L. Groves
Robert L. Horner
Blake A. Martin
George D. Naslas
Kent M. Nichols
Christopher M. Perkins

Francis M. Ricciardi
Cheri F. Ruane
Michael J. Scipione
Peter M. Smith
Leah E. Stanton
Christopher B. Wester
John J. Wright
Francis W. Yanuskiewicz

acting individually, to execute and deliver on behalf of the Corporation, contracts for Professional Services which are in the ordinary course of the Corporation's business, not including contracts exceeding \$1,000,000, during the fiscal year 2016 .

VOTED: To authorize

Jeffrey J. Alberti

Kenneth J. Bisceglia

Jeffrey A. Wilson

acting individually, to execute and deliver on behalf of the Corporation, contracts for Professional Services which are in the ordinary course of the Corporation's business, not including contracts exceeding \$500,000, during the fiscal year 2016.

VOTED: To authorize

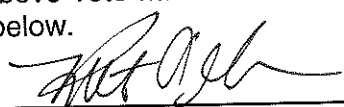
Richard A. Campbell
James R. Fair
John A. Figurelli
Kipling R. Gearhart
Duane C. Himes

Laurence F. Keegan
Hillary M. Lacirignola
Brian J. McCormack
Jeffrey W. McClure
Tara E. McManus
Frank E. Occhipinti

Steven K. Pedersen
Daniel E. Sheahan
Carl W. Stone
Paul V. Uzgiris
Stephen P. Wiehe

acting individually, to execute and deliver on behalf of the Corporation, contracts for Professional Services which are in the ordinary course of the Corporation's business, not including contracts exceeding \$10,000, during the fiscal year 2016.

The undersigned further certifies that the above vote has not been amended or rescinded and remains in full force and effect as of the date set forth below.



Robert A. Goober, Clerk

02/03/2016

Date

TO BE INCLUDED IN ALL SPECIFICATIONS

COMPLIANCE WITH FEDERAL, COMMONWEALTH OF MASSACHUSETTS, AND CITY OF SPRINGFIELD TAX LAWS.

A. COMPLIANCE WITH TAX LAWS

The contractor must be in compliance **at the time it submits its bid and afterwards if selected as the contractor**, with all Federal, Commonwealth of Massachusetts and City of Springfield tax laws, the contractor will be disqualified from the bidding procedure.

B. TAX CERTIFICATION AFFIDAVIT.

The contractor **must** complete and return the Tax Certification Affidavit with the contractor's bid/proposal. Failure to complete and return the Tax Certification Affidavit will disqualify the contractor from the bidding procedure.

C. VERIFICATION OF COMPLIANCE WITH FEDERAL AND MASSACHUSETTS TAX LAWS.

If the City of Springfield discovers that the contractor is not in compliance with Federal or Massachusetts tax laws, the contractor shall be excluded from the bidding procedure.

D. COMPLIANCE WITH THE CITY OF SPRINGFIELD TAXES.

If the City of Springfield discovers that the contractor owes the City of Springfield any assessments, excise, property or other taxes, including any penalties and interest thereon, the contractor shall be excluded from the bidding procedure.

The contractor at all times during the term of an awarded contract shall observe and abide by all Federal, Commonwealth of Massachusetts and City of Springfield tax laws and remain in compliance with such laws, all as amended.

TAX CERTIFICATION AFFIDAVIT FOR CONTRACTS

04-2601194
Federal Identification Number

Individual Social Security Number _____ State Identification Number _____
Company: Weston & Sampson Engineers, Inc.
P.O. Box (if any): _____ Street Address Only: 5 Centennial Drive
City/State/Zip Code: Peabody, Massachusetts 01960-7985
Telephone Number: 978-532-1900 Fax Number: 978-977-0100 Email: westerco@wseinc.com
List address(es) of all other property owned by company in Springfield: N/A
Please Identify if the bidder/proposer is a:
Corporation
Individual _____ Name of Individual: _____
Partnership _____ Names of all Partners: _____
Limited Liability Company _____ Names of all Managers: _____
Limited Liability Partnership _____ Names of Partners: _____
Limited Partnership _____ Names of all General Partners: _____

You must complete the following certifications and have the signature(s) notarized on the lines below. Any certification that does not apply to you, write N/A in the blanks provided.

FEDERAL TAX CERTIFICATION

I, Christopher Wester certify under the pains and penalties of perjury that Weston & Sampson Engineers, Inc. to my best knowledge and belief, has/have complied with all United States Federal taxes required by law.
(authorized agent) (Bidder/Proposer)
Weston & Sampson Engineers, Inc. [Signature] Date: 2-3-2016
Bidder/Proposer/Contracting Entity Authorized Person's Signature

CITY OF SPRINGFIELD TAX CERTIFICATION

I, Christopher Wester certify under the pains and penalties of perjury that Weston & Sampson Engineers, Inc. to my best knowledge and belief, has/have complied with all City of Springfield taxes required by law (has/have entered into a Payment Agreement with the City).
(authorized agent) (Bidder/Proposer)
Weston & Sampson Engineers, Inc. [Signature] Date: 2-3-2016
Bidder/Proposer/Contracting Entity Authorized Person's Signature

COMMONWEALTH OF MASSACHUSETTS TAX CERTIFICATION

Pursuant to M.G.L. c. 62C §49A, I, Christopher Wester certify under the pains and penalties of perjury that Weston & Sampson Engineers, Inc. to my best knowledge and belief, has/have complied with all laws of the Commonwealth relating to taxes, reporting of employees and contractors, and withholding and remitting child support.
(authorized agent) (Bidder/Proposer)
Weston & Sampson Engineers, Inc. [Signature] Date: 2-3-2016
Bidder/Proposer/Contracting Entity Authorized Person's Signature

Notary Public

STATE OF CONNECTICUT February 4, 2016
County of HARTFORD, ss. ROCKY HILL

Then personally appeared before me [name] Christopher Wester [title] Vice President of [company name] Weston & Sampson Engineers, Inc. being duly sworn, and made oath that he/she has read the foregoing document, and knows the contents thereof, and that the facts stated therein are true of his/her own knowledge, and stated the foregoing to be his/her free act and deed and the free act and deed of [company name] Weston & Sampson Engineers

[Signature]
Notary Public

My commission expires:

ANDREA LYNN BRADBURY
NOTARY PUBLIC
MY COMMISSION EXPIRES NOV. 30, 2020



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
2/3/2016

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Eastern Insurance Group LLC 233 West Central Street Natick MA 01760	CONTACT NAME: Construction	
	PHONE (A/C No. Ext): (508) 651-7700	FAX (A/C No.):
INSURED Weston & Sampson Engineers, Inc. Five Centennial Drive Peabody MA 01960	E-MAIL ADDRESS:	
	INSURER(S) AFFORDING COVERAGE	
	INSURER A: Great Divide Insurance Co	NAIC # 25224
	INSURER B: Starr Indemnity & Liability Co.	38318
	INSURER C: Lexington Insurance Co.	
	INSURER D:	
	INSURER E:	
	INSURER F:	

COVERAGES CERTIFICATE NUMBER: MASTER 2016 + REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	GENERAL LIABILITY <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> Contractual Liability coverage per policy form GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC			GLP200736212	1/1/2016	1/1/2017	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 300,000 MED EXP (Any one person) \$ 15,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000
A	AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS			MAA2007361-13 MA BAP2007360-13 AOS includes FL	1/1/2016	1/1/2017	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
B	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED RETENTION \$			1000021472	1/1/2016	1/1/2017	EACH OCCURRENCE \$ 9,000,000 AGGREGATE \$ 9,000,000
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below		N/A	WCA200735912 Coverage applies in MA, CT, FL, GA, NH, NY, RI, SC VT and WI	1/1/2016	1/1/2017	<input checked="" type="checkbox"/> WC STATUTORY LIMITS OTH-ER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000
C	PROFESSIONAL/POLLUTION LIABILITY			031710990	7/3/2015	7/3/2016	PER CLAIM \$3,000,000 ANNUAL AGGREGATE \$3,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)
RE: ON CALL ENGINEERING SERVICES FOR VARIOUS CITY DEPARTMENTS - CITY-WIDE
CITY OF SPRINGFIELD IS INCLUDED AS ADDITIONAL INSURED WITH RESPECT TO GENERAL LIABILITY AS REQUIRED BY WRITTEN CONTRACT.

CERTIFICATE HOLDER CITY OF SPRINGFIELD, MA 36 COURT STREET SPRINGFIELD, MA 01103	CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.
	AUTHORIZED REPRESENTATIVE John Koegel/PMA

Appendix A

SAMPLE PROJECT ORDER FORMAT

CITY OF SPRINGFIELD, MA

DEPARTMENT OF PUBLIC WORKS

PROJECT ORDER NO. _____

TO:

(ENGINEER)

**IN ACCORDANCE WITH ARTICLE I THROUGH VII OF THE CONTRACT FOR
SPECIAL PROJECTS/BASIC ORDERING AGREEMENT**

The following is ordered:

- A. Scope of work:
- B. Compensation shall be:
- C. Schedule:

Accepted by the (ENGINEER)	Approved by the (OWNER)
(Title)	(Title)
(Date)	(Date)

APPENDIX B

DECEMBER 1991

OWNERS ENGINEERING SPECIFICATIONS/GUIDELINES

The basic land surveying and engineering services to be provided to the OWNER by a firm will be performed to the following standards and will be comprised of the following phases of work for a typical land survey, street design and/or drainage design:

1. Surveying Phase
2. Preliminary Design
3. Final Design

The work to be performed by firms under each of these phases is outlined below:

Section V. Land Surveying Phase

1. Assemble all available data from existing records relative to utilities, properties, topography, streets and land use, which may affect the engineering design of the project.
2. Make field surveys of existing conditions. The surveys shall provide all data which may be required for the preparation of the final plan, construction contract drawings and record plats. Plans are to be acceptable for filing at the Hampden-County Registry of Deeds and meet the City of Springfield Department of Public Works guidelines. The surveys shall include but not be limited to the following information:
 - 2.1 A referenced traverse, including computations, with a minimum closure of 1:35,000. The OWNER shall specify the traverse base to be utilized.
 - 2.2 Sufficient property corner ties shall be made to permit accurate computation of all property lines adjacent to and departing from the proposed areas of construction: the preparation of all plats of easement, right-of-ways or land acquisitions as required; and the accurate establishment of these lines in the field. Apparent voids or overlaps in property lines shall be noted and shown.

The purpose of this information is to allow be property corners in areas disturbed during construction to be reset.
 - 2.3 A series of referenced elevation benchmarks with a maximum distance of 300 Feet apart minimum second order level results on OWNER specified datum.
 - 2.4 Strip topography, printed on polyester film, to be run for the entire length of the project area as follows:
 - Minimum width of 150 feet road and community improvement projects
 - Minimum width of 100 feet for storm sewer and sanitary sewer projects
 - Minimum width of 50 feet for sidewalk and trail projects. At locations Along an existing road, this width shall extend from existing edge of pavement

Topography to be 20 feet to the inch, two-foot contour interval, for storm drainage, community improvement, sidewalk, trail and road projects and at 40 feet to the inch, two-foot contour interval for sanitary sewer projects, including the following for all projects: telephone, power poles and lines; where not in a forest, trees four or more inches in diameter along with shrubbery in developed areas. In addition, all residences along with first floor and/or basement elevations shall be noted on all projects. Topography may be a separate overlay

- 2.5 Horizontal location of underground conduits or sanitary sewer, stone drainage, water, telephone, electric, gas oil cable t.v. etc. by field surveys. Existing utility companies to be contacted and arrangements made for them to field located their existing facilities. The location of existing utilities from office records will not be acceptable. The elevation of underground conduits shall be determined by any method other than baring and excavation.
- 2.6 Perform all office work required to plot the above information and prepare the base sap(s) need for the base design drawings. Prepare reproducible base sheet (:) showing the topography, street lines(meets and bounds property lines, utilities, right-of-ways, easements and horizontal. And vertical control information. The base sheets(s) are to be prepared at the scale specified in III B, with two-foot contour intervals for all projects. The horizontal and vertical control will include, but not be limited to the following:

ARTICLE 1. Horizontal

- (1) Plot the traverse on the base sheet with bearing and distances shown.
- (2) Tie traverse stations to centerline of right of way of proposed construction and all existing structures or control stations with bearings and distances. (Sidewalk and trail projects may be set up with baseline tied to traverse and offset distance provided from baseline).
- (3) Show coordinates of traverse stations, structures, or control stations and all property corners adjacent to route of proposed construction.
- (4) Reference traverse station on base sheet, i.e. designation of object used as a traverse station: H & T, P.K, L Pin, cutnails, spike, etc.
- (5) Tie traverse stations to a minimum of two permanent reference marks.

ARTICLE 2. Vertical

- (1) Describe B.M. on base sheet.

B.M. ELEV. 256.95 (CITY Datum)
Chiseled "X" on top of curb-inlet west side of Main Street

(2) Plot B.M. on base sheet at proper locations, i.e.

- 2.7 The survey crew will make a special effort to advise the property owners of their presence prior to entering upon a property to perform the survey work. This notification procedure should be especially adhered to on all property that will require the cutting or trimming of trees, brush undergrowth, etc. Notification can be accomplished by telephone or by the survey personnel directly informing each resident. All efforts shall be made to located benchmarks and traverse stations in the right-of-way to minimize property disturbance.

SECTION VI. Preliminary Design

1. Develop preliminary designs and computations and prepare preliminary drawings and/or graphics showing the extent and scope of the project in detail suitable for use in public meetings. The preliminary design will be of sufficient detail to reasonably ensure the feasibility of obtaining the required approvals, permits and future construction of the project.
2. Contact private and public utility companies and others whose facilities may be affected by the proposed construction. Obtain from such companies the available horizontal and vertical location of existing facilities to supplement the field locations provided together with any proposed new construction charges or relocations.
3. OWNER or its designated agents(s), may obtain the detailed horizontal and vertical location via the use of test pits of all underground conduits that cross the proposed facilities that are being designed by the ENGINEER. The ENGINEER shall cooperate with OWNER or its designated agent(s) in providing any information that is required to dig the test pits. In addition, the ENGINEER shall provide the field survey stakeout as required to define the horizontal location of all proposed facilities where a test pit(s) is required.
4. Upon receipt of the test pit data, the ENGINEER shall investigated the feasibility of redesigning the proposed facilities in order to eliminated the projected conflicts OWNER shall be advised of the results of this investigation and of the extent of utility conflicts.
5. If necessary, perform or cause to be performed the required geotechnical investigation (see Subsurface Soil Investigation).
6. Prepare a preliminary estimate of the quantities and cost of construction based on current unit prices for materials and labor.
7. Determine the limits of property, existing easements and rights -of-way by a detailed review of the recorded land records including any Land Court Records. A determination is to be made on the need for additional easements required for the construction of the project along with advising the OWNER of such requirements.

8. Attend detailed conferences with the OWNER and participate in citizens meetings. The ENGINEER shall prepare meeting minutes of all meetings which are to be forwarded to OWNER within five working days. Unless specifically requested, the ENGINEER shall not be required to attend citizen meetings for sidewalk and trail projects.
9. On road and community improvement projects, a street lighting plan will be prepared by the OWNER using the preliminary plans prepared by the ENGINEER. This plan will be forwarded to the ENGINEER for coordination and inclusion into the final plans.
10. All road improvement projects and community improvement projects will include a standard five-foot concrete walkway(s) unless specifically deleted from the scope of work.
11. The location of the proposed sidewalk(s) shall be in accordance with the OWNER'S specification, unless otherwise noted by OWNER. Any soil tests associated with determining the need for under drains shall be the responsibility of the ENGINEER.
12. All road and community improvement projects will meet the Standard Specifications for Highways and bridges, Commonwealth of Massachusetts, Department of Public Works, 1988; and Commonwealth of Massachusetts Design Criteria and Construction Standards, 1977; as well as the street design section of the City of Springfield Subdivision Regulations, 1991, unless specified otherwise.

SECTION VII. Final Design

1. No work will be initiated on final design until written authorization is received from OWNER.
2. Develop complete designs and computations and prepare final contract drawings showing all proposed construction in sufficient detail to ensure the granting of all necessary, approvals and permits by all affected regulatory agencies and utility companies and to ensure proper execution of the work by a contractor. All plan and profile sheets shall include a graphic scale as follows unless otherwise approved:
 - 2.1 Storm drainage, sidewalk, trail, road and community improvement projects: Horizontal 1" = 40'; vertical 1" = 6'
 - 2.2 Sanitary sewer projects: Horizontal 1" = 40'; vertical 1" = 6'
 - 2.3 On street design plans where a proposed curb, berm, center line or gutter grade will be required profiles of the ground as it exists at each street line shall be shown and identified as such.

All such proposed elevations shall be stationed at a maximum of fifty (50) feet intervals for the entire length of each street and at every change of grade. When the proposed

street is a continuation of an existing street the stationing there of shall be a continuation from the end of the existing street.

- 2.4 All points of curvature, points of tangency, intersections, catch basins, manholes, points of tangency of vertical curves shall be stationed.
- 2.5 The proposed layout and profile of sanitary and storm water lines shall include their location, size, type of material to be used, as well as their related structures. All other utilities shall be located on the Plot portion of the plan. Differentiation shall be made between existing and proposed services.
3. Prepare any special provisions for the project to the construction specifications and reference on the plans.
4. Prepare an Engineer's estimate of the final design quantities and cost of construction based on current unit prices for material and labor.
5. Prepare individual record plats for permanent easements, dedication to public street purposes (Acceptance Plans) and temporary construction or grading easements which will be required for the construction of the project. The record plats shall include:
 - 5.1 "Take" areas computed in square feet and indicated in the lower left hand portion of the plat.
 - 5.2 Two points referenced by OWNER specified traverse base, unless modified.
 - 5.3 Metes and bounds on all "take" areas including complete curve data.
 - 5.4 The same scale as the design drawings, unless approved otherwise by the OWNER, and be on 24" x 36" polyester film whenever possible.
6. Final design plans shall be 4 mil polyester film and will include standard Department of Public Works (DPW) cover sheet with locus map, general notes sheet with erosion / sedimentation requirements as needed along with plan / profile and standard detail sheets. Liberal use of details is encouraged. All sheets, except DPW cover sheets should have OWNERS title block. All plans shall also meet the requirements of the Hampden County Registry of Deeds (see Appendix C.)
 - 6.1 All road projects shall include a revision data sheet.

APPENDIX C

HAMPDEN COUNTY REGISTRY OF DEEDS

PLAN REGULATIONS

AMENDMENTS UNDER THE GENERAL LAWS, CHAPTER 36, SECTION 13A, APPROVED BY THE ATTORNEY GENERAL ARE EFFECTIVE JANUARY 1, 1976 ARE AS FOLLOWS:

1. Plan sizes shall be a minimum of eight and one-half inches by eleven inches (8 1/2" X 11") and a maximum of twenty-four inches by thirty-six inches (24" X 36").
2. Plans being presented for recording shall be on linen or polyester film, single matte with a thickness of .004 mils, and must have an opacity so as to allow consistent diazo and microfilm reproduction.
3. All plans shall be prepared using a compatible ink with excellent cohesiveness which will produce a permanent bond and result in a plan with long term durability.
4. Linen or polyester reproductions shall be accepted for recording provided they contain original signatures and comply with the other requirements for the recording of plans.
5. Each plan shall have three quarter inch (3/4") borders.
6. The minimum letter size on plans presented for recording shall be one eighth inch (1/8").
7. Each plan presented for recording shall include a graphic scale.
8. Each plan shall have an area reserved to receive planning board recitation or contain a surveyors certification as per Chapter 380, Acts of 1966.
9. Each plan shall have a three and one-half inch (3 1/2") square reserved for Registry use.
10. Each plan must contain a certification clause signed by the preparer stating that he/she has conformed with the rules and regulations of the Registers of Deeds in preparing the plan.

City of Springfield
On-Call Engineering Services for the DPW
Bid No. 16-061

HOURLY RATES

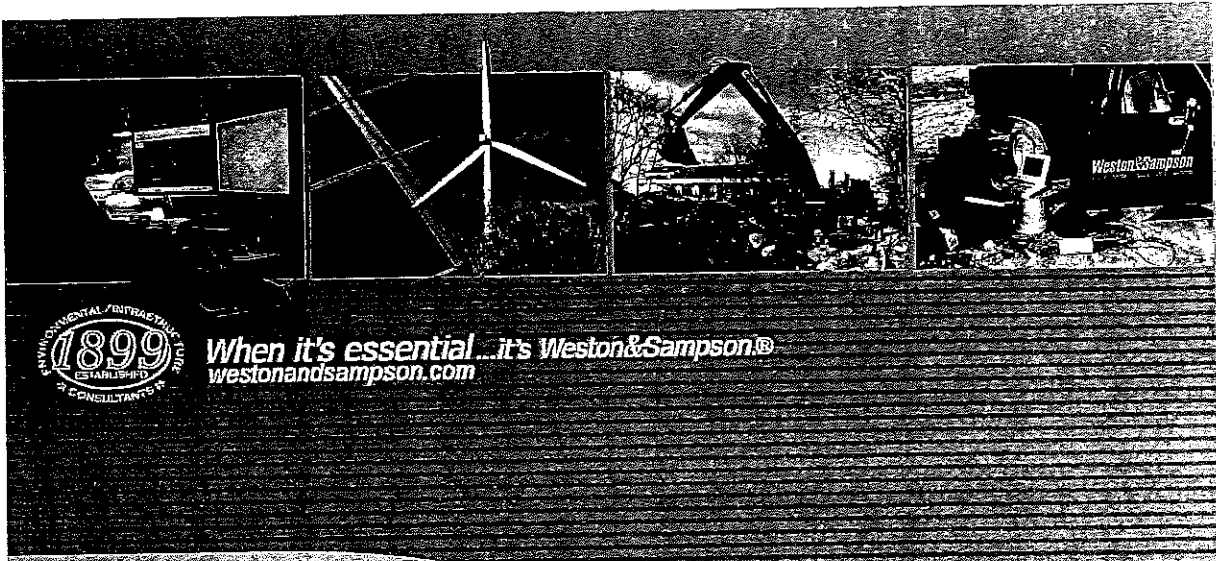
The following rates provide a basis of compensation for assignments that will be billed on an hourly billing rate basis, or other assignments as may otherwise be agreed upon:

Staff Level	Hourly Rate
Administrative Assistant	\$55.00
Associate	\$175.00
CAD Technician	\$90.00
Coop / Student Engineer	\$70.00
Engineer	\$100.00
Engineer II	\$116.00
Environmental Scientist	\$92.00
Environmental Scientist II	\$98.00
Geologist II	\$110.00
GIS Technician	\$116.00
Hydrogeologist	\$100.00
Landscape Architect	\$106.00
Licensed Site Professional (LSP)	\$150.00
Permitting Specialist	\$122.00
Principal / Vice President	\$182.00
Project Manager	\$138.00
Resident Representative	\$88.00
Senior Engineer	\$126.00
Senior Hydrogeologist	\$110.00
Senior Landscape Architect	\$132.00
Senior Licensed Site Professional (LSP)	\$165.00
Senior Project Manager	\$160.00
Senior Resident Representative	\$112.00
Senior Technical Specialist	\$165.00
Surveyor	\$132.00
Survey Technician	\$88.00
Wetland Specialist	\$116.00
Technical Project Coordinator	\$88.00

Travel and Other Reimbursable Expenses

Project related travel per OPM guidelines: \$0.575/mile
Postage, reproductions, photographs, etc: actual cost

Weston&Sampson®



When it's essential...it's Weston & Sampson®
westonandsampson.com

Weston & Sampson®

273 Dividend Road, Rocky Hill, CT 06067
 tel: 860-513-1473 fax: 860-513-1483

qualifications & proposal



City of
Springfield
 MASSACHUSETTS

On-Call Engineering Services for the
 Department of Public Works
 Bid No. 16-061

October 2015

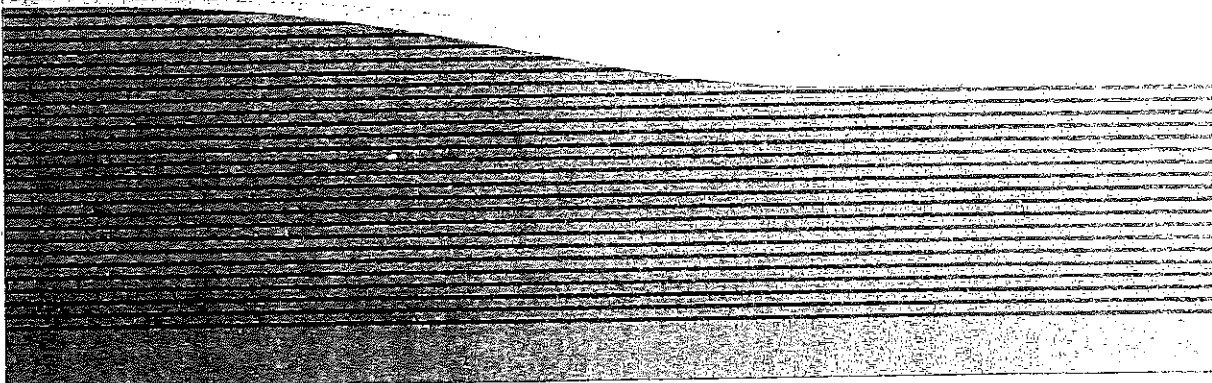


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SECTION 5	Hourly Rates
SECTION 6	Quality Assurance Plan
SECTION 7	Affirmative Action Plan

273 Dividend Road
Rocky Hill, CT 06067
tel: 860-513-1473 fax: 860-513-1483
www.westonandsampson.com

planning, permitting,
design, construction,
operation, maintenance

Weston&Sampson®

October 14, 2015

Ms. Lauren Stabilo
Chief Procurement Officer
City of Springfield
Office of Procurement
36 Court Street – Room 307
Springfield, Massachusetts 01103

Re: **Response to Request for Qualifications / Proposals (RFQ/P)
On-Call Professional Engineering Services - Bid No. 16-061**

Dear Ms. Stabilo:

Weston & Sampson has enjoyed working with the City of Springfield during our on-call services contract. Based on the quality of services we have provided to the city under that contract, our general qualifications related to providing municipalities multidisciplinary services, and our experience working with municipalities throughout Massachusetts and New England, we know that we are well suited for reappointment for the current round of on-call service agreements.

With more than 115 years of environmental consulting and engineering experience, Weston & Sampson has the expertise and resources required to provide professional, cost-effective, multi-disciplinary consulting services for the City of Springfield. Our team of environmental, civil, sanitary, and transportation engineers; architects; landscape architects; and construction, survey, mapping, and Geographic Information System (GIS) specialists has demonstrated experience helping many municipalities throughout New England successfully achieve a variety of project goals. To the City of Springfield we offer our recognition exceeding clients' expectations by providing attentive personal service, superior technical quality, and adherence to cost and schedule requirements.

Providing timely response to clients' needs and delivering quality services are key to a successful consulting services agreement. **Weston & Sampson has successfully provided multi-disciplinary consulting services for the City of Springfield and many other Massachusetts communities**, as listed on the following page. Our teams consistently meet regulatory-driven deadlines and are responsive to client needs, and our design products and bidding/construction documents are detailed to obtain the most competitive construction bids, eliminate obstacles during construction, and avoid change orders.

Our firm of over 430 professionals has expertise in a wide range of disciplines and projects in Massachusetts and throughout the Northeast. In addition to our work in Springfield, we have provided a variety of services for the western Massachusetts communities of Adams, Athol, Chester, Chicopee, Colrain, Easthampton, Hardwick, Holyoke, Lenox, Middlefield, Monroe, Monson, Montague, Northampton, Orange, Palmer, Southwick, Stockbridge, Ware, and Wendell. We have also provided a variety of services to large communities and regional agencies, including the cities of Boston and Worcester and the Metropolitan District (MDC) in Connecticut. We have established valuable relationships with these clients and have been asked back on multiple occasions to perform a large selection of services.

We offer the following information in response to your Request for Qualifications (RFQ):

Selection Criteria: We have made an effort to specifically address the city's selection criteria throughout our submittal, thereby demonstrating our understanding of and capability to complete your projects. Additionally, Weston & Sampson meets all of the city's **Minimum Evaluation Criteria**, as outlined below.

Massachusetts Connecticut Rhode Island New Hampshire Vermont New York Pennsylvania New Jersey South Carolina Florida

When it's essential...it's Weston&Sampson.®

Ten (10) years of experience of providing similar on-call engineering experience

Founded in 1899, Weston & Sampson has provided similar on-call engineering services for communities in Massachusetts and throughout New England for more than a century. **We have recently provided multi-disciplinary, on-call services for the communities of Springfield, Cambridge, Chelmsford, Chelsea, Falmouth, Gardner, Grafton, Gloucester, Newton, Newburyport, Quincy, Shrewsbury, Somerset, Waltham, West Boylston, Woburn, and Worcester**, among others. We have also provided peer review and on-call engineering and landscape architectural services for the communities of Ashland, Deerfield, Fitchburg, Gardner, Hanover, Lynnfield, Ludlow, Mendon, Norton, and Seekonk, Massachusetts.

Project Manager must have a minimum of three (3) continuous years' service with current firm

Our designated project manager for this contract, **Christopher B. Wester, PE**, brings more than 25 years of engineering experience to our team. **Having spent the last 12 years of his career with Weston & Sampson**, Chris and key members of our project team have successfully worked together on multi-disciplinary projects throughout New England, **including multiple Brownfields projects for the City of Springfield**. A Massachusetts registered Professional Engineer, Chris will be responsible for contract management and administration and will ensure that your projects remain a priority within our firm.

Firm must have an office in the State of Massachusetts

Headquartered in Peabody, Massachusetts, Weston & Sampson also maintains regional offices in Boston, Foxborough, and Worcester, Massachusetts.

Office designated as "prime work location" must be within 50 miles of the City of Springfield

Located within 35 miles of Springfield, our regional office in Rocky Hill, Connecticut will serve as the designated "prime work location" for this contract, utilizing specialists from our Massachusetts offices as needed to meet specific project needs.

Weston & Sampson provides the following additional statements in response to your RFQ/P:

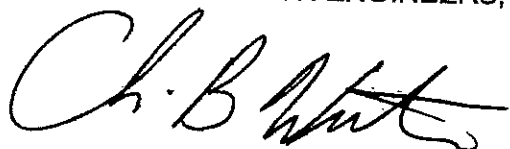
- Weston & Sampson accepts all terms and conditions contained in the RFQ/P.
- Weston & Sampson has received, reviewed, and accepted as part of the RFQ/P Addendum No. 1. A signed copy of the addendum is included with our forms, which follow the *Executive Summary*.

To further assist in you in your evaluation of our capabilities, we provide detailed descriptions of representative projects completed by our team in Section 3, *Background of Firm*.

Our team offers the City of Springfield a unique blend of skills, and we are confident that our capabilities and extensive resources, combined with our recent work in Springfield, will enable us to provide the City with efficient and timely services. We would be happy to make a formal presentation to your selection committee. Please contact me by telephone at (860) 513-1473 or by e-mail at wester@c@wseinc.com if you have any questions.

Sincerely,

WESTON & SAMPSON ENGINEERS, INC.



Christopher B. Wester, PE
Vice President

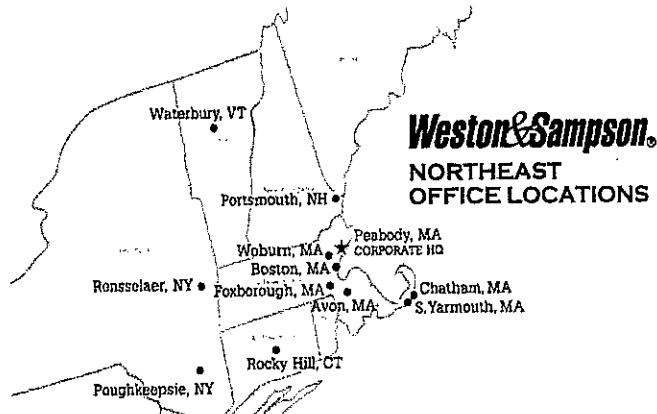
EXECUTIVE SUMMARY

BACKGROUND AND CAPABILITIES



Since 1899, Weston & Sampson has been providing comprehensive civil and environmental engineering and operations & maintenance services to municipalities throughout Massachusetts and New England. With a dedicated construction services staff including administration personnel and over 20 resident engineers, our experience with public works and municipal contracts is extensive. We have a specific knowledge of Chapter 149 and Chapter 30 bidding laws, and we are well versed in municipal and agency regulations.

Services proposed under this contract will be provided by staff from our **Connecticut office**. Located at **273 Dividend Road in Rocky Hill**, this office is licensed to conduct business in the **Commonwealth of Massachusetts** and the State of Connecticut. The staff of over 30 professionals hold registrations and certifications as professional engineers, licensed environmental professionals and certified planners. This office has full and direct access to technical staff found throughout the company, including our three offices in Massachusetts, including our corporate office in Peabody, as well as our other New England offices in New Hampshire, New York, Maine, Rhode Island and Vermont. The company has the resources and assets to respond to virtually any issue faced by our clients. This support provides us with an exceptional ability to respond to our clients' needs and we pride ourselves in delivered tailored services unique to each client.



Our firm also provides operations and maintenance, including 24-hour on-call services to municipalities and clients throughout the region. Our areas of expertise include:

- Site/Civil Development
- Water Supply Development & Treatment
- Water Supply Pumping & Distribution
- Stormwater Management
- Watershed Management
- Wastewater Collection & Treatment
- Environmental Compliance/Permitting
- Landscape Architecture
- Infrastructure Design & Construction
- Wetlands Replication & Restoration
- Regulatory & Enforcement Assistance
- Environmental Site Assessment
- Transportation & Traffic
- Geotechnical & Structural
- Master Planning
- Facility Design
- Renewable Energy
- Solid Waste Management
- Peer Review
- Land Surveying
- GIS & Mapping
- Construction Oversight & Management

EXECUTIVE SUMMARY

Weston & Sampson is capable of providing comprehensive services to the City of Springfield. Our most relevant in-house services include:

Traffic and Transportation

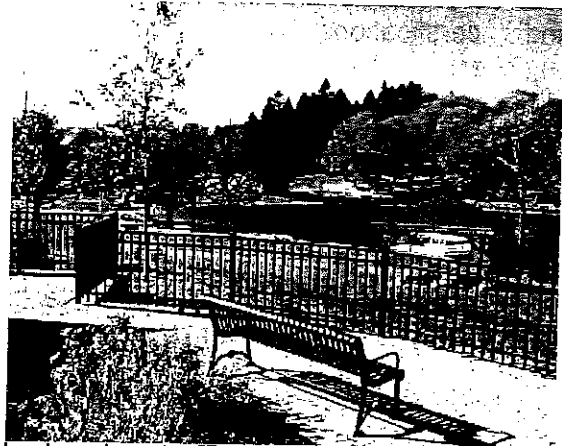
Traffic and transportation staff from Weston & Sampson are located in our Rocky Hill office as well as in Foxborough, Massachusetts and our corporate office in Peabody, Massachusetts. We have completed traffic engineering assignments for projects of varying complexity for clients throughout New England. These services have included funding applications, capacity analyses, traffic impact studies, circulation and parking studies, origin and destination studies, corridor improvement plans, preparation of contract bid documents and construction support



(administration and resident engineering) for roadway and streetscape projects. We also have experience designing parking lots, street amenities, wayfinding signage, traffic signal upgrades, traffic calming, and related utility improvements.

Landscape Architecture

Weston & Sampson has Architectural and Landscape Architectural groups who work collaboratively with the transportation group to provide streetscape, bike trail, and bridge design, riverwalks, urban parks, ballfields, recreational facilities, municipal memorials, and updates to city and town commons, to clients such as the Massachusetts Highway Department, the Department of Conservation and Recreation, and other municipal Departments of Public Works. Additionally, they provide comprehensive master planning services, for clients who want to visualize potential new road system layouts, traffic calming solutions, and streetscape designs as part of neighborhood or traffic node improvements, as well as construction administration services relative to construction of these projects.



Green Stormwater Infrastructure & Resiliency

Our experienced professional staff, which includes **Leadership in Energy and Environmental Design (LEED) Accredited Professionals**, has been in the forefront of implementing LID techniques through project planning, permitting, and design. Through collaboration, our team of civil and environmental engineers, landscape architects, and environmental scientists implement LID strategies that support our clients' goals.

EXECUTIVE SUMMARY

These LID strategies include, but are not limited to:

- Reduced Impermeable Surfaces
- Bioretention (Raingardens)
- Porous Asphalt, Concrete, and Pavers
- Country Drainage
- Cisterns and Rainbarrels
- Greenroofs
- Vegetative Buffers
- Gravel Wetlands
- Stormwater Infiltration
- Biofilters
- Bioswales
- Soil Amendments
- Location Friendly Landscaping
- Disconnection of Permeable Surfaces
- Grey Water Reuse
- Preservation of Native Landscapes

Watershed Management / Stormwater / Hydraulic Analysis

Weston & Sampson has provided computerized hydraulic analysis and modeling as a tool for the last 25 years. Our personnel are experienced in utilizing the following modeling programs for hydrologic and hydraulic modeling:

- EPA Stormwater Modeling (SWMM) public domain version
- EPA Stormwater Modeling (SWMM) CHI version
- XPSWMM (XP Software version)
- TR 20 (USDA Soil Conservation Service now Natural Resources Conservation Service NRCS)
- TR 55 (USDA Soil Conservation Service now Natural Resources Conservation Service NRCS)
- HEC-1 (Army Corps of Engineers)
- HEC-2 (Army Corps of Engineers)
- InfoWorks (Wallingford Software)
- Hydrocad Stormwater Modeling (Hydrocad)
- Hydra (Pizer Incorporated)
- Sewercad (Bentley Software)



Weston & Sampson has utilized the above software on small- and large-scale projects in over 30 New England, New York, and Florida communities. Weston & Sampson has also provided wetland impact assessments and prepared mitigation designs addressing the hydraulic aspects of these issues.

Most all infrastructure projects today require knowledge of federal, state, and local Inland Wetland and Storm Water Management regulations. In addition, our staff also has experience with Flood Plain Certification, State Stream Channel Encroachment Lines, as well as the various permitting requirements of the U.S. Army Corps of Engineers and FEMA.

We have the experience in our local offices to provide complete engineering services beginning with performing the field survey and developing the base mapping or channel cross sectioning required, through all phases of the analysis and design process. We also have capabilities in geotechnical and hydro-geological analysis as related to scour and counter-scour measures, and groundwater flow and modeling. Weston & Sampson's relevant stormwater/drainage services include:

EXECUTIVE SUMMARY

- Analysis and modeling
- Illicit connection detection and removal
- Drainage, culvert, and channel improvements
- Best Management Practices (BMPs) and treatment systems
- Bylaws and stormwater utilities
- State and National Pollutant Discharge Elimination System (SPDES/NPDES) stormwater program permit compliance
- Low Impact Development (LID)

Working with EPA, state regulators, and national stormwater centers, team members were and are influential in developing new standards and goals for stormwater treatment and applied LID practices, relevant to the management of critical watersheds. We have developed demonstration projects in a variety of watersheds in New England, and will utilize our extensive stormwater BMP planning and design experience to support the city's projects.

Environmental Services

Weston & Sampson has completed more than 2,000 site assessments and approximately 300 remediation projects under the MCR for state and federal agencies, cities, towns, and private clients.

Weston & Sampson understands the issues associated with environmental remediation, risk assessment, and property redevelopment, and has years of experience working with several classes of contaminants found in various environmental media. Our team of Massachusetts Licensed Site Professionals (LSPs), scientists, engineers, and operators review site-specific data to select effective strategies to meet the goals of our client

and regulatory requirements. Our team includes various engineering disciplines (environmental, chemical, geotechnical, and water resource), geologists, hydrogeologists, wetlands, and permitting. We evaluate remedial technologies for system effectiveness, duration of cleanup, and cost. Weston & Sampson has also completed over 100 solid waste projects throughout New England, including landfill assessment and closure design, transfer station design, solid waste management, composting and post-closure use, such as recreational purposes (parks, ballfields, etc.) and commercial reuse (see retail on former landfill photo above).



Utilities Collection / Treatment / Distribution

Weston & Sampson provides comprehensive water engineering services, including:

- New source approvals
- Well development
- Treatment plant improvements and new facilities
- Pilot studies
- Distribution system master plans and mapping
- Water storage tanks
- Booster stations
- Rate and meter replacement studies
- Cleaning and lining



EXECUTIVE SUMMARY

- Unidirectional flushing programs
- Fire flow analysis

Weston & Sampson has a long history of providing engineering design, construction administration, and resident inspection for new water system rehabilitations. **In the past 10 years, our staff has designed more than 500,000 feet of new water main totaling over \$40 million in construction costs.** Our contracts are diverse, ranging from installations of six-inch ductile iron to 72-inch prestressed concrete cylinder pipe. Our installations have included bridge crossings over streams and highways, directional drilling beneath wetlands, and pipe-jacking below railroad beds. We have provided engineering design in both rural and congested urban areas.

Weston & Sampson also has decades of experience in the evaluation, planning, design, and construction of water pumping stations as well as water treatment plants. Our firm has been recognized for engineering excellence in the design of new facilities and treatment plant expansions and upgrades.

Weston & Sampson's experience, resources, and services also extend to all aspects of **wastewater** projects, including:

- Sewer main design and construction
- Infiltration/Inflow (I/I) & Sewer System Evaluation Survey (SSES) programs
- Treatment plant improvements and new facilities
- Pump stations
- Innovative and alternative systems
- Needs assessments and decentralized planning
- Manhole Inspections / improvements
- Hydrogeologic investigations
- New sewer and septic systems
- Supervisory Control and Data Acquisition (SCADA)
- Betterment assessment and user fee support

Within the past ten years, Weston & Sampson has completed over 50 I/I projects, designed approximately three million linear feet of new or rehabilitated sewers, administered approximately 300,000 linear feet of cured-in-place pipe (CIPP) lining work, and managed more than 150 construction contracts. Additionally, our firm is ranked number 20 out of the top 50 trenchless technology firms in the U.S. (Trenchless Technology Magazine, 2013).

Weston & Sampson develops and manages Annual Sewer Investigation and Rehabilitation Programs. In addition to systematically addressing the communities' I/I issues, these projects produce accurate GIS mapping and comprehensive attribute data for every manhole and line segment. Weston & Sampson also provides in-house field inspection services performed by engineers to increase data quality.



EXECUTIVE SUMMARY

Civil / Structural / Geotechnical

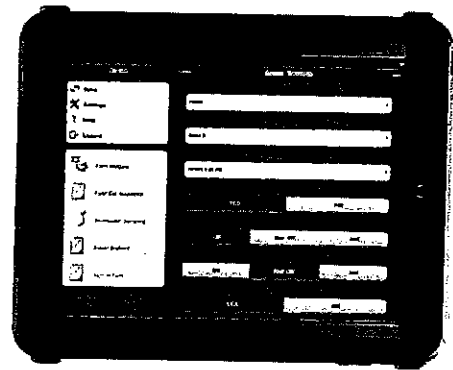
Weston & Sampson's civil and structural engineers have extensive experience and in-house capabilities in the area of geotechnical/subsurface investigation and evaluation. Weston & Sampson maintains a team of experienced structural engineers who provide assessment, design, and construction management services for a variety of projects, including bridges, retaining walls, and public works facilities.



Our geotechnical engineers are also experienced at dam engineering, and have considerable dam safety engineering experience, including inspections, engineering assessments for design of improvements, construction management, Emergency Action Planning, and the planning and design of dam removals. Our engineers have worked on over 100 publicly and privately owned dams in Massachusetts, Connecticut, New Hampshire, Maine, Vermont, and New York within the past five years. In all cases, our engineering and inspection activities are conducted in accordance with applicable Federal and State regulations and guidelines. In addition, we have an excellent working relationship with the Massachusetts DCR Office of Dam Safety.

Operations & Maintenance

Our in-house operations & maintenance affiliate, Weston & Sampson Services, provides contract operations services for treatment facilities, distribution systems, and collection systems throughout the Northeast. We currently operate over 180 systems and have more than 250 operators, engineers and scientists on staff throughout the region to respond to a range of water and wastewater O&M needs. For some communities we service multiple facilities, such as water, wastewater, and septage treatment facilities. Our readily available labor force and company resources are always on-call to provide advice and help ensure that your systems are operating at their highest standard.



To provide efficient data collection for facility inspections and O&M services, Weston & Sampson utilizes our iDataCollect software, which is specifically designed to translate time-consuming, paper-based recordkeeping procedures into real-time data and regulatory tracking systems compatible with mobile devices, such as the iPhone®, iPad™, and iPod Touch® devices.

PROJECT TEAM

With a 115-year history of engineering excellence, our staff of engineers includes many seasoned professionals who have more than 10 years of experience in their respective fields. The Weston & Sampson project team offers a distinct advantage in providing services because of our flexible and multi-faceted nature. With our team composition, we can address your engineering needs in a cost-effective and timely manner while assuring quality resources to support the varied staffing requirements.

EXECUTIVE SUMMARY

In Section 1, *Team Organization*, we summarize the qualifications of the senior team member responsible for each of the service offerings we propose to provide to the City of Springfield. Section 1 also includes a graphical project team chart that further details our team's organizational structure. We have also included detailed resumes for the key professional personnel on our project team within Section 4, *Professional Personnel*.

CONTRACT RENEWAL

If selected, Weston & Sampson will renew the contract for the second and third years at the original Compensation Fee Schedule plus a 2% increase per year for each year the contract is extended.

REQUIRED FORMS

As instructed in the city's RFQ/P, we have attached to this *Executive Summary* signed copies of all the required proposal forms.



BID NO. 16-061

**REQUEST FOR QUALIFICATIONS / PROPOSALS FOR
ON-CALL ENGINEERING SERVICES
FOR THE
DEPARTMENT OF PUBLIC WORKS**

PROJECT MANUAL

**OFFICE OF PROCUREMENT AND
DEPARTMENT OF PUBLIC WORKS
SPRINGFIELD, MA**

LAUREN STABILO – CHIEF PROCUREMENT OFFICER

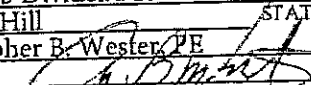
CHRISTOPHER CIGNOLI – DIRECTOR

MATTHEW SOKOP – CITY ENGINEER

IN COMPLIANCE WITH THE ABOVE AND SUBJECT TO ALL OF THE CONDITIONS THEREOF, THE UNDERSIGNED AGREES TO FURNISH ANY OR ALL OF THE ITEMS AT THE PRICES AND TERMS QUOTED ON THIS BID, AND WITHIN THE TIME STATED.

THIS FORM MUST BE COMPLETED AND
SIGNED AT THE TIME OF BID OPENING

PHONE: 860-513-1473 EXT. NO.: 3010

COMPANY NAME: Weston & Sampson, Inc.
ADDRESS: 273 Dividend Road
CITY: Rocky Hill STATE: CT
BY: Christopher B. Wester, PE
SIGNATURE: 
TITLE: Vice President DATE: 10/14/15

Weston & Sampson

STATEMENT OF AA/EEO POLICY

Weston & Sampson is committed to a policy of equal employment opportunity for all its employees and applicants. Weston & Sampson's growth and success depend largely on utilizing to the fullest extent possible all available human resources. We actively seek and employ qualified persons in all job classifications and administer all personnel actions affecting employees without regard to race, color, religion, sex, age, national origin, sexual orientation, physical or mental disability, or military status.

Weston & Sampson will continue to further its policy of equal employment opportunity by recruiting, hiring, compensating, training, and promoting persons in all job classifications without regard to race, color, religion, sex, or age, national origin, sexual orientation, physical or mental disability, or military status. Promotion decisions will continue to be reviewed in an effort to ensure that only valid criteria are used when evaluating employees for promotional opportunities.

Furthermore, systematic review of personnel actions will attempt to ensure that matters such as compensation, benefits, transfers, layoffs, return from layoffs, and any Weston & Sampson-sponsored training, education, social, or recreational programs, are administered without regard to race, color, religion, sex, age, national origin, sexual orientation, physical or mental disability, or military status. Weston & Sampson will establish reporting and monitoring systems in an effort to ensure adherence to this policy of nondiscrimination. Every employee and member of management is expected to promote our EEO and AA policy within his/her area of assigned responsibility.

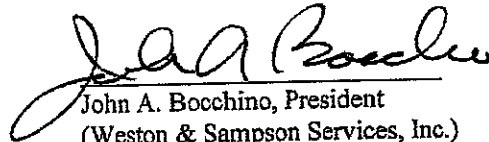
As part of Weston & Sampson's overall EEO policy, the harassment of others because of their race, color, religion, sex, age, national origin, sexual orientation, physical or mental disability, or veteran status is not tolerated. In particular, an atmosphere of tension created by ethnic or religious remarks or animosity, unwelcome sexual advances, requests for sexual favors or other conduct of a sexual nature does not belong in our workplace. When any such verbal or physical conduct or overtures unreasonably interfere with any individual's work performance or create an intimidating, hostile, or offensive work environment, the offended individual is urged to notify the AA/EEO Officer so that we may have an opportunity to investigate and deal with the problem. All inquiries will be held in the utmost confidence, but the matter will be investigated and dealt with expeditiously.

Weston & Sampson is pledged to affirmative action and to providing equal employment opportunities for members of minority groups and women under Executive Order 11246 and 11375, as amended.

To assure compliance with the plan, Colleen A. Manning, AA/EEO Officer, has been designated to administer and monitor the program and make reports to the Company's senior managers. She may be contacted at (978) 532-1900, ext. 2428.



Michael J. Scipione, President
(Weston & Sampson Engineers, Inc.)



John A. Bocchino, President
(Weston & Sampson Services, Inc.)
(Weston & Sampson CMR, Inc.)

Date: January, 2015

Date: January, 2015

APPENDIX C

AFFIRMATIVE ACTION PLAN

NAME OF PROJECT: On-Call Engineering Services for the DPW BID NO.: 16-061

A.) What is the total number of employees that is currently employed by your company? 320

NUMBER OF EMPLOYEES										
Overall	MALE <u>233</u>					FEMALE <u>87</u>				
Total Sum of Col. B thru F	WHITE (NOT OF HISPANIC ORIGIN)	BLACK (NOT OF HISPANIC ORIGIN)	HISPANIC	ASIAN OR PACIFIC ISLANDER	AMERICAN INDIAN OR ALASKAN NATIVE	WHITE (NOT OF HISPANIC ORIGIN)	BLACK (NOT of Hispanic origin)	HISPANIC	ASIAN OR PACIFIC ISLANDER	AMERICAN INDIAN OR ALASKAN NATIVE
A	B	C	D	E	F	B	C	D	E	F
<u>320</u>	<u>218</u>	<u>0</u>	<u>6</u>	<u>7</u>	<u>2</u>	<u>84</u>	<u>1</u>	<u>0</u>	<u>2</u>	<u>0</u>

B.) What is your anticipated work force for this project? 28

Number of Minorities 1 Number of Females 6

C.) Is your company at least 51% owned and controlled by one of the following groups members? Please circle the appropriate categories.

MALE FEMALE: Black, Hispanic, Asian, American Indian
Alaskan Native, Cape Verdian, Caucasian

Lauren Manning
AUTHORIZED SIGNATURE

10/09/2015
DATE

Weston & Sampson, Inc.
FIRM

273 Dividend Road - Rocky Hill, CT 06067
ADDRESS

860-513-1473
TELEPHONE NO.

THIS FORM MUST BE SUBMITTED BY THE BIDDER WITH THE BID / PROPOSAL, AND SIGNED BY THE BIDDING COMPANY IF THE REQUIRED INFORMATION IS PROVIDED OR NOT. FAILURE TO SIGN THIS FORM WILL RESULT IN THE REJECTION OF YOUR BID PACKAGE

TAX CERTIFICATION AFFIDAVIT FOR CONTRACTS

04-2601194

Individual Social Security Number _____ State Identification Number _____ Federal Identification Number _____

Company: Weston & Sampson Engineers, Inc.

P.O. Box (if any): _____ Street Address Only: Five Centennial Drive

City/State/Zip Code: Peabody, Massachusetts 01960

Telephone Number: 978-532-1900 Fax Number: 978-977-0100

List address(es) of all other property owned by company in Springfield: N/A

Please Identify if the bidder/proposer is a:

Corporation

Individual _____ Name of Individual: _____

Partnership _____ Names of all Partners: _____

Limited Liability Company _____ Names of all Managers: _____

Limited Liability Partnership _____ Names of Partners: _____

Limited Partnership _____ Names of all General Partners: _____

You must complete the following certifications and have the signature(s) notarized on the lines below. Any certification that does not apply to you, write N/A in the blanks provided.

FEDERAL TAX CERTIFICATION

I, Christopher Wester, PE certify under the pains and penalties of perjury that Weston & Sampson Engineers, Inc., to my best knowledge and belief, has/have complied with all United States Federal taxes required by law. (authorized agent) (Bidder/Proposer)

Weston & Sampson Engineers, Inc. Date: 10/14/2015

Bidder/Proposer/Contracting Entity Authorized Person's Signature

CITY OF SPRINGFIELD TAX CERTIFICATION

I, Christopher Wester, PE certify under the pains and penalties of perjury that Weston & Sampson Engineers, Inc., to my best knowledge and belief, has/have complied with all City of Springfield taxes required by law (has/have entered into a Payment Agreement with the City). (authorized agent) (Bidder/Proposer)

Weston & Sampson Engineers, Inc. Date: 10/14/2015

Bidder/Proposer/Contracting Entity Authorized Person's Signature

COMMONWEALTH OF MASSACHUSETTS TAX CERTIFICATION

Pursuant to M.G.L. c. 62C §49A, I, Christopher Wester, PE certify under the pains and penalties of perjury that Weston & Sampson Engineers, Inc., to my best knowledge and belief, has/have complied with all laws of the Commonwealth relating to taxes, reporting of employees and contractors, and withholding and remitting child support. (authorized agent) (Bidder/Proposer)

Weston & Sampson Engineers, Inc. Date: 10/14/2015

Bidder/Proposer/Contracting Entity Authorized Person's Signature

Notary Public

October 14, 2015.

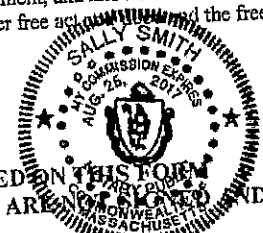
STATE OF Massachusetts
County of Essex, ss.

Then personally appeared before me [name] Christopher Wester, PE [title] Vice President of [company] Weston & Sampson Engineers, Inc., being duly sworn, and made oath that he/she has read the foregoing document, and knows the contents thereof; and that the facts stated therein are true of his/her own knowledge, and stated the foregoing to be his/her free act and deed of [company name] Weston & Sampson Engineers, Inc. and the free act

My commission expires:

Sally Smith
Notary Public
August 25, 2017

YOU MUST FILL THIS FORM OUT COMPLETELY AND, SIGNATURES MUST BE NOTARIZED ON THIS FORM AND YOU MUST FILE THIS FORM WITH YOUR BID/CONTRACT. TAX AFFIDAVITS THAT ARE NOTARIZED WILL BE REJECTED.



APPENDIX D

OFFICE OF PROCUREMENT

CITY OF SPRINGFIELD, MA

Bid No. 16-061
DEPARTMENT OF PUBLIC WORKS, ON CALL ENGINEERING SERVICES -
SPRINGFIELD, MA

COLLUSION OR FRAUD STATEMENT

THE UNDERSIGNED CERTIFIES UNDER PENALTIES OF
PURJURY THAT THIS BID IS IN ALL RESPECTS BONA
FIDE, FAIR, AND MADE WITHOUT COLLUSION OR
FRAUD WITH ANY OTHER PERSON. AS USED IN THIS
SECTION THE WORD "PERSON" SHALL MEAN ANY
NATURAL PERSON, JOINT VENTURE, PARTNERSHIP,
CORPORATION OR OTHER BUSINESS OR LEGAL
ENTITY.

Christopher Wester, PE

NAME OF PERSON SIGNING BID



SIGNATURE

Weston & Sampson, Inc.

COMPANY NAME

THIS FORM MUST BE SIGNED AND RETURNED WITH YOUR BID OFFER. FAILURE TO
SUBMIT THIS FORM IS CAUSE FOR IMMEDIATE REJECTION.

Addendum No. 1 Bid No. 16-061 – On-Call Professional Engineering Services
Bids are due on: October 14, 2015 at 2:00 P.M.

Question 5: Under Executive Summary it says to include Cover Page. Does that refer to the Project Manual Page which is the very first page of the RFQ?

However, this page also states "This form must be completed and signed at the time of the Bid Opening"

I would appreciate if clarification can be provided for this.

Ok...so we need to sign and then include it in the proposal?

Answer 5: Yes, the very first page of the RFQ is the cover page (and the words "Project Manual" on it), and it is required to be signed, executed, etc. with your bid.

Question 6: Can you please clarify and explain Article 8 Section 1 (Interpretation)? We need to be clear on what this means exactly.

Answer 6: (1) Releases from indemnities against liability, (2) limitations on liability, (3) assumptions of liability, and (4) limitations on remedies expressed in this AGREEMENT shall apply even in the event of any cause of action (except for willful or reckless disregard of obligations), including but not limited to breach of contract, breach of warranty, fault, tort (including negligence), strict liability, or statutory cause of action of the party released or indemnified, or whose liability is limited or assumed or against whom remedies are limited. Party, as used herein, includes the named parties, their officers, employees, agents, subcontractors, and affiliates.

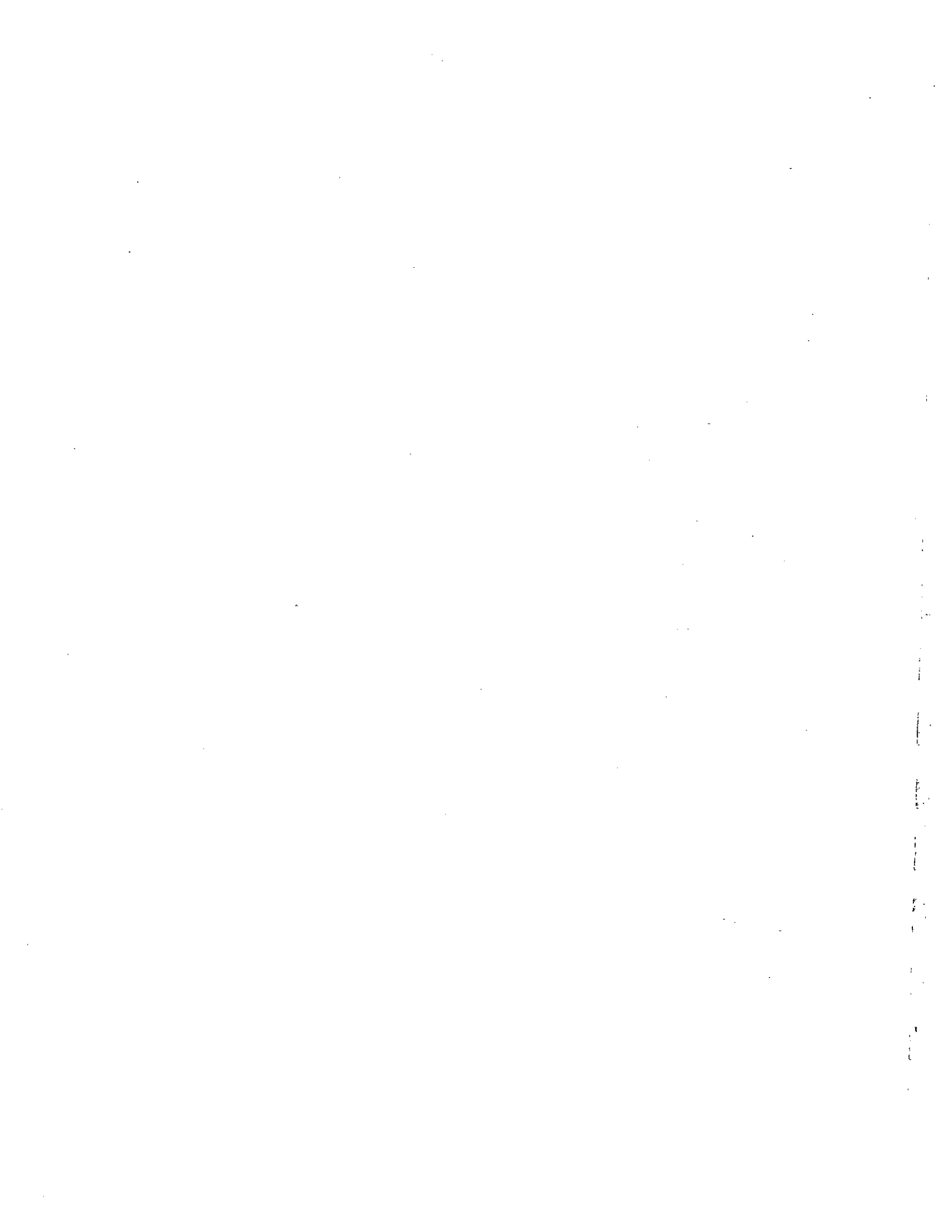
If you have sent your response, you may send any changes to the Office of Procurement before the time for opening. These must be sealed with the name of your firm and the bid number clearly marked on the envelope.

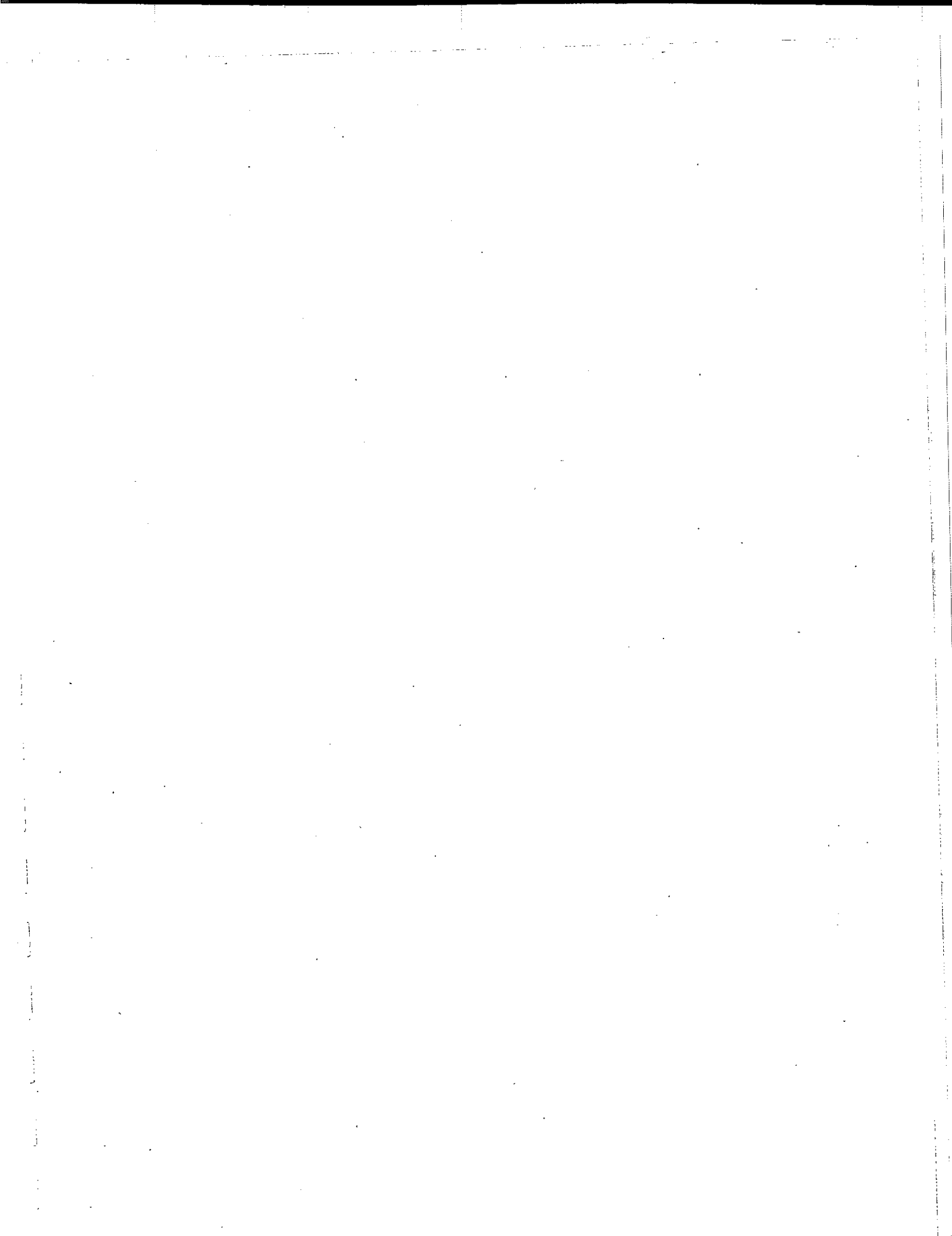
Sincerely,
Lauren Stabilo
Chief Procurement Officer

Please acknowledge receipt of this addendum by signing below and returning to this office via fax to (413) 787-6295 or email to Lauren Stabilo at lstabilo@springfieldcityhall.com. Failure to acknowledge addendum may result in rejection of bid.

Signed: Andrea Bradbury Andrea Bradbury - Marketing Coordinator
(Title)

Company: Weston & Sampson, Inc.
(Please print)





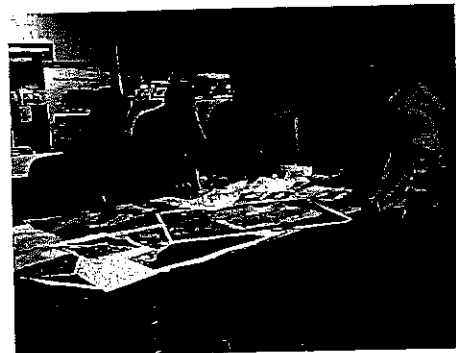
TEAM ORGANIZATION

Weston & Sampson recognizes the City of Springfield's need to obtain competent reliable services for your professional engineering project(s). Our team offers a distinct advantage in providing services because of our flexible and multi-faceted nature. We will address your engineering needs in a cost-effective and timely manner while assuring quality resources to support the varied staffing requirements.

In preparing our submittal, we have assembled a team of professionals who have demonstrated experience with city projects as well as the direct experience necessary to successfully perform engineering services for your project. Our project team offers expertise in all of the following areas:

- Architectural Engineering
- Landscape Architecture
- Civil Engineering
- Aerial Survey
- Bridge Engineering
- Composting
- Construction Inspection
- Construction Management
- Electrical Engineering
- Environmental Science & Engineering
- Foundation Design
- Highway & Street Engineering
- Land Surveying
- Mechanical Engineering
- Pavement Management
- Solid Waste Management
- Structural Engineering
- Dam Engineering/Hydroelectric
- Renewable Energy
- Expert Testimony
- Feasibility Studies
- Facility Design
- Value Engineering
- Traffic Engineering

Weston & Sampson will serve as the prime consultant for your project. With a 115-year history of engineering excellence, our staff of engineers includes many seasoned professionals who have over 10 years of experience in their respective fields. Similar to our prior on-call project, our project team will be led by **Michael J. Scipione, PE**, and **Christopher B. Wester, PE**.



On the following pages we summarize the qualifications of the senior team member responsible for each of the service offerings we propose to provide to the City of Springfield. For a further description of our team's organization structure, please refer to our project team chart on the following page. We have included resumes for our key personnel within Section 4, *Professional Personnel*.

PROJECT MANAGEMENT

Michael J. Scipione, PE, will serve as **principal-in-charge** and will ensure that your project remains a priority within our firm. A **Massachusetts registered Professional Engineer**, Mike brings to this assignment more than 25 years of diverse engineering experience, including water, wastewater, and stormwater improvements; solid waste planning and management; site planning; bridge and highway engineering; and environmental studies in communities throughout Massachusetts and New England. As an officer and stakeholder in our firm and your projects,

Weston&Sampson®

TEAM ORGANIZATION

Mike will have overall responsibility and accountability for project execution and will ensure adequate staff resources for the project.

Christopher B. Wester, PE, will serve as the **project manager** for all engineering services. As the senior point of contact and a stakeholder in our firm and the project, Chris will have overall responsibility and accountability for project execution. A **Massachusetts registered Professional Engineer with over 25 years of engineering experience** in the areas of water, wastewater, roadway and utility reconstruction, drainage systems, and construction administration, he will be responsible for overview and control of the project. He **currently manages on-call engineering contracts with the cities of Bristol, Meriden, Springfield, and Waterbury, Connecticut**. In addition, he has served as principal-in-charge of municipal improvements projects in communities such as Athol, Buckland, Orange, Shelburne, Templeton, Ware, and Warren, Massachusetts. **Having spent the last 10 years of his career with Weston & Sampson, Chris and key members of our project team have successfully worked together on multi-disciplinary projects throughout New England, including multiple Brownfields projects for the City of Springfield.**

ENVIRONMENTAL ENGINEERING / MASSACHUSETTS CONTINGENCY PLAN SUPPORT

Assessment

George D. Naslas, PG, LSP, is a **Massachusetts Licensed Site Professional** with more than 27 years of professional experience and extensive knowledge of Brownfields sites and industrial properties. He has completed over 150 Phase I, II, and III assessments throughout New England, including several of our EPA Brownfields Assessment and Cleanup Grant Projects as part of prior project work at former industrial sites in Gloucester, Boston, Lynn, Newburyport, Springfield, Weymouth, and Woburn, well as for the communities of Brimfield, Lawrence, Lowell, Middlefield, Monson, Revere, Spencer, Warren, and West Springfield, either for the municipality directly or through an EPA grant via Regional Planning Commissions. For the City of Springfield he has served as project manager for an EPA-funded assessment grant to evaluate waste sites in multiple neighborhoods.

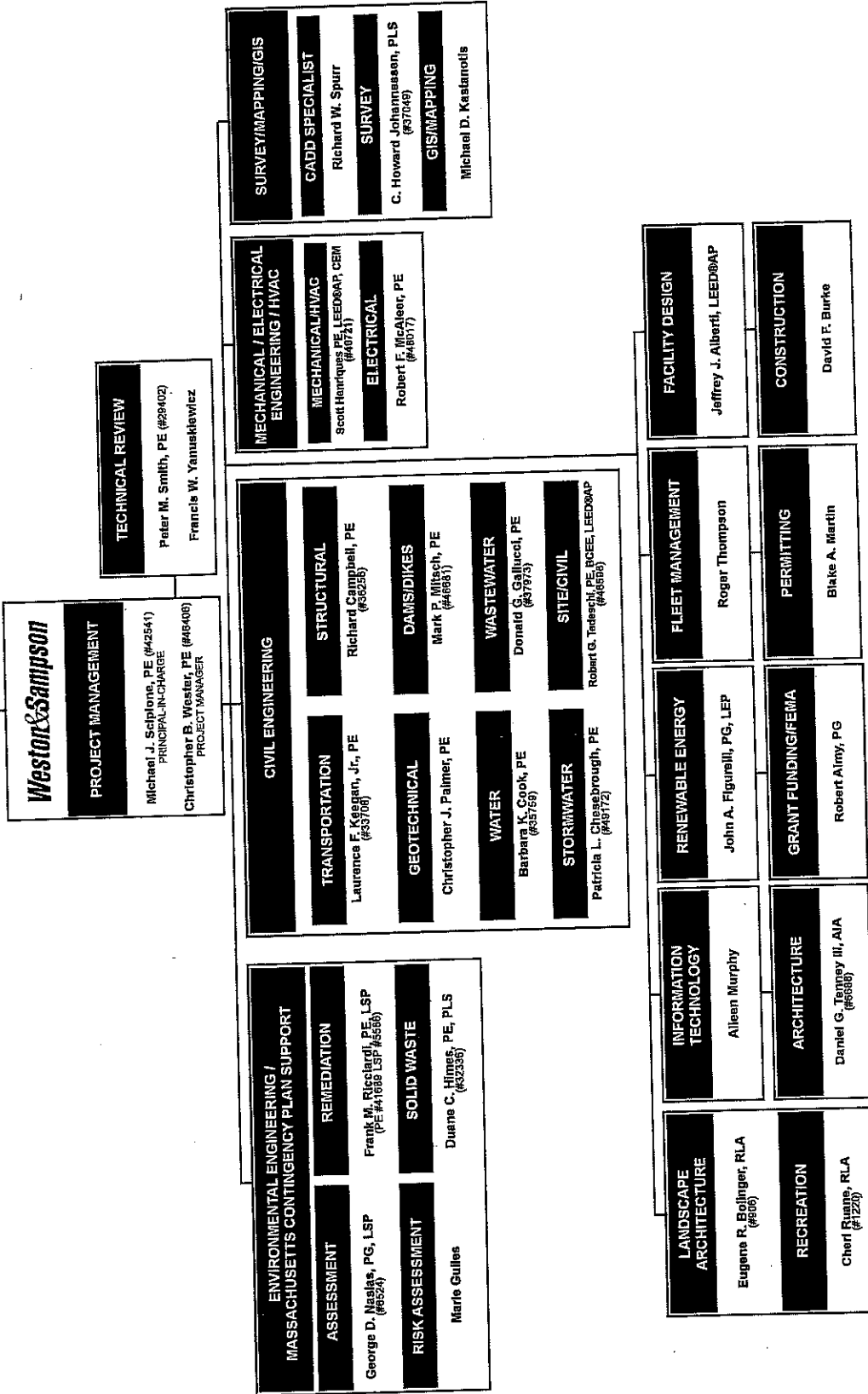
Remediation

Frank M. Ricciardi, PE, LSP, has more than 17 years of experience in project management, environmental engineering, feasibility studies, remediation system design, remediation construction oversight, and hazardous waste site assessments. He has extensive experience in the design, installation, and operations and maintenance (O&M) of remediation systems (groundwater and soil), and in the preparation of multi-media sampling plans, QAPPs, and Health and Safety Plans. Frank has served as lead designer and project manager for several multi-phase extraction systems (petroleum), thermal desorption units (PCBs), and chemical oxidation projects (gasoline related compounds). For numerous EPA Superfund sites, Frank oversaw all site assessment and remediation activities as the project manager. As senior technical reviewer for the **Former Gemini Manufacturing Facility Remediation Project in Springfield, Massachusetts** he managed the site assessment activities and remediation.



PROJECT TEAM ORGANIZATION

City of Springfield
 On-Call Engineering Services for the DPW
 Bid No. 18-981



TEAM ORGANIZATION

Risk Assessment

Marie Guiles has over 18 years of experience in environmental consulting. In 2007, Ms. Guiles started Guiles Risk Assessment Services, LLC, to provide her risk assessment, regulatory, and toxicological expertise to clients in the environmental consulting field. For the past 18 years, she has managed and conducted human health risk assessments at state regulated sites (primarily in Massachusetts, but also throughout New England, Ohio, New York, and other states), CERCLA and RCRA hazardous waste sites. She has performed risk assessments of petroleum refineries, former manufactured gas plants, operating industrial facilities, landfills, and various petroleum and chlorinated solvent spill sites.

Solid Waste Management

Duane C. Himes, PE, PLS, will provide landfill/solid waste engineering services. Duane is a **Massachusetts registered Professional Engineer** with over 35 years of solid waste engineering experience in the permitting and design of landfill disposal cell expansion, landfill closure systems, landfill gas management systems, leachate management systems, and transfer station facilities, and manages Weston & Sampson's post-closure monitoring programs. He also has extensive experience in the construction and certification of landfill system components. Duane has performed several landfill design peer review projects for the nation's largest solid waste company.

CIVIL ENGINEERING

Transportation

Dean Groves, PE, is the firm's Transportation Practice Leader and has 40 years of experience in transportation planning, impact evaluation, and permitting. Dean's experience includes serving as principal-in-charge for numerous on-call contracts with clients such as the Massachusetts Department of Transportation (MassDOT), the City of Boston Public Works Department (BPWD), Malden Redevelopment Authority, and the Connecticut Department of Public Works.

Structural

Richard A. Campbell, PE, has over 25 years of experience in the structural engineering field and is well-versed in the State Building Codes for the Commonwealth of Massachusetts and the National BOCA. Rick has been involved in the preparation of several building designs for both new and renovation projects throughout New England including private developments, colleges and universities, public schools and libraries, and hospitals. Recent projects include programming, structural evaluation and design, and construction review for public works facilities in Charlton and Weston, Massachusetts as well as Waterbury, Connecticut.

Geotechnical

Christopher J. Palmer, PE, has over 12 years of experience specializing in geotechnical and dam safety engineering. Chris has conducted numerous dam safety inspections, analysis of seepage and stability of existing and proposed earthen embankment dams, as well as concrete

Weston&Sampson®

TEAM ORGANIZATION

and stone masonry dams. He is an experienced geotechnical design engineer well-versed in the assessment and design of earthen slopes, seepage management, mineral filter design and construction, and the design of structural foundations and retaining walls.

Dams/Dikes

Mark P. Mitsch, PE, manager of geotechnical engineering services for Weston & Sampson, has over 28 years of geotechnical design and construction experience, including dam design, inspection, and rehabilitation; slope stability; seepage analyses; soil behavior; landfill design and construction; building foundations; tunneling; trenchless technologies; and both structural and environmental slurry walls. Mark has managed the design and construction administration for hundreds of dams in the region, as well as slope stability projects along regional waterways.

Water

Barbara K. Cook, PE, leads our Water Engineering Program. A **Massachusetts registered Engineer**, Barbara has more than 25 years of experience in the planning, study, design, and construction of water system projects for communities in Massachusetts and throughout New England. Barbara has served as project manager for water treatment plant upgrades and/or water pipeline improvement projects for many Massachusetts communities, including Abington, Hanover, Lincoln, Middleboro, Newburyport, Newton, Rockland, Rowley, Southbridge, Stoughton, Walpole, Westborough, Wilmington, and Woburn.

Wastewater

Donald G. Gallucci, PE, manages our Wastewater Program, and will be available to assist the City of Springfield with a specific focus on wastewater system rehabilitation projects. Don is a **Massachusetts registered Professional Engineer** with more than 20 years of wastewater and stormwater engineering experience. Don has been responsible for wastewater system evaluation, planning, and design projects in Arlington, Chelsea, Lexington, Newton, Revere, Rutland, Wakefield, Weymouth, Winthrop, Worcester, and many other Massachusetts communities.

Stormwater

Patricia C. Chesebrough, PE, is a **Massachusetts registered Professional Engineer** with more than 18 years of experience specializing in stormwater and wastewater infrastructure planning, assessment, and rehabilitation. Her experience includes management of and participation in field investigations; evaluation of findings; production of technical reports to present data, recommendations, and preliminary designs; preparation of drainage system and sewer designs; and oversight of public bidding and construction. Patty is an expert in stormwater management, and is currently managing enforcement-based programs for several communities. She has recently managed stormwater projects, including those related to NPDES Phase II compliance, for the communities of Chelsea, Middleborough, and Revere, Massachusetts.

TEAM ORGANIZATION

Site/Civil Engineering

Robert G. Tedeschi, PE, BCEE, LEED®AP has 29 years of increasing responsibility as a professional civil engineer in the field of water / wastewater engineering and site civil engineering design. He has previously managed a staff of 22 civil engineers, environmental professionals, and land surveyors. He has recently served as project manager for the planning and design of a utility access road to support National Grid operation and maintenance of transmission facilities in Winchendon, Massachusetts and the site/civil utility design for the Westover Job Corps Center in Chicopee, Massachusetts.

MECHANICAL / ELECTRICAL ENGINEERING / HVAC

Mechanical / HVAC

Scott Henriques, PE, LEED®AP O&M offers the City of Springfield his 20 years of experience with mechanical and HVAC design, energy conservation, and distributed energy projects for private clients and municipalities throughout the eastern United States, as well as for the federal government, academic institutions, and industrial clients. He has managed mechanical, electrical, and plumbing projects, and designed numerous central heating and chiller plants, as well as HVAC systems for commercial, industrial, institutional, and high-tech clients. With his expertise in analyzing and implementing energy-efficient systems, he has helped clients increase system efficiency with substantial cost savings.

Electrical

Robert F. McAleer, PE, is a seasoned engineering and management professional with 25 years of professional experience as a **Massachusetts Registered Electrical Engineer** and M/E/P/FP project manager. His experience spans the design, management, and marketing of building systems services for both new and retrofit buildings for a variety of facility types within the private, public, municipal, and military sectors. These facility types include commercial office, research and development, medical and electronic laboratories, Skiff and Tempest facilities, private and public K-12, college and university, manufacturing facilities, clean rooms, biopharmaceutical laboratories, pump station and water treatment facilities, sports facilities, data centers, health care, retail and educational facilities.

SURVEY / MAPPING / GIS

CADD Specialist

Richard W. Spurr is a CADD/drafting specialist. Rick has over 30 years of experience working as a CADD designer and draftsman. He is knowledgeable in all phases of CADD design, particularly at the more advanced levels. Rick's project experience includes serving as CADD Manager for various infrastructure assessment projects in the Massachusetts communities of Chelsea and Quincy, primarily related to their water, wastewater, and stormwater systems.

TEAM ORGANIZATION

Survey

C. Howard Johannessen, PLS, will provide surveying services. Howie is a **Massachusetts Licensed Land Surveyor** with more than 26 years of land surveying experience. He has performed land surveys and prepared mapping for a variety of clients, including state and local governmental agencies, municipalities, industrial, commercial, developers, and individual lot owners. Howie has supervised and performed boundary line, topographic, utility, title and engineering surveys, which have varied in size and scope from large rural boundary surveys encompassing several hundred acres, photogrammetric mapping control surveys entailing miles of differential leveling and baseline control, to small urban property line surveys.

GIS / Mapping

Michael D. Kastanotis is a Geographic Information System (GIS) Analyst and leads Weston & Sampson's GIS group. Michael is experienced with GIS, geostatistical analysis, spatial and temporal modeling, Global Positioning Systems (GPS), Relational Database Management Systems (RDBMS), ESRI desktop and server products, MapInfo, AutoCAD Map, Data Conversion, and client/server applications.

LANDSCAPE ARCHITECTURE

Eugene R. Bolinger, RLA, is a **Massachusetts Registered Landscape Architect**, with over 27 years of experience in the planning, design, and implementation of multi-disciplinary neighborhood downtown improvement projects throughout Massachusetts and New England. He has managed more than two-dozen municipal projects involving the reconstruction or restoration of city and town commons, parks, playgrounds, athletic facilities, open space properties, and urban design/streetscape corridors. Gene has been involved with numerous high-visibility projects involving the conversion of contaminated hazardous waste and landfill sites to open space and park and recreation facilities, as well numerous redevelopment projects for Massachusetts state agencies.

Recreation

Cheri F. Ruane, RLA, will lead the recreation component of our landscape architecture assignments. Cheri is a **Massachusetts Registered Landscape Architect** with 16 years of experience in multi-disciplinary project management, construction administration, site analysis, and public design. **Cheri has managed the design and construction of over \$20 million in public improvements to parks, playgrounds, public housing properties, and community gardens, throughout the Northeast.** During her tenure with the City of Boston Parks and Recreation Department, she was involved with the restoration of Boston's historic Emerald Necklace park system, originally designed by Frederick Law Olmstead. Her recent work includes projects for the communities of Boston, Somerville, Woburn, and Worcester, Massachusetts.

INFORMATION TECHNOLOGY

Aileen D. Murphy is the Client Manager within the Solutions group of Weston & Sampson Services. She supports client needs for Weston & Sampson's data management software (the

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TEAM ORGANIZATION

Checkmate Software Suite and iDataCollect). Aileen leads clients through the needs assessment process to determine the best solution. Once the contract is in place, she manages technical resources from both teams to ensure a smooth implementation of the software package. Once successfully implemented, she conducts on-site, end-user training and continues to manage the client needs for software support, trouble shooting, additional training, and release management.

ARCHITECTURE

Daniel G. Tenney III, AIA is a Senior Project Manager/Lead Architect at Weston & Sampson. He has over 30 years' experience in the design of new construction, the rehabilitation of existing structures, historic adaptation and re-use, commercial renovations, facilities assessments, project management, and planning. His project experience ranges from full building investigations to new building programming and design, exterior and interior rehabilitation, studies, reports, and campus planning. His most recent experience involved serving as lead architect for an addition and renovations to the western Massachusetts women's correctional (WMCC) center in Chicopee and Terminal C improvements at Logan International Airport in East Boston, Massachusetts.

RENEWABLE ENERGY

John A. Figurelli, PG, LEPA, practice leader for Weston & Sampson's Energy Group, brings to our team more than 20 years of environmental consulting experience. John currently leads the environmental component of Weston & Sampson's development of renewable energy sites, most recently for Western Massachusetts Electric Company's (WMECO's) solar facility development program. John's completed projects include WMECO's 1.8 MW solar PV facility in Pittsfield, Massachusetts and a 2.3 MW solar PV facility in Springfield. Recently John received a **SEPA/SEIA Photovoltaic Projects of Distinction Award** for his design and construction management of the Pittsfield, Massachusetts facility. Additionally, **John has worked closely with Chris Wester and George Naslas** in providing environmental consulting services to the **City of Springfield on multiple Brownfields projects.**

GRANT FUNDING / FEMA

Robert Almy, PG has over 30 years of experience in groundwater analyses, stormwater management, water conservation, environmental review, program development, integrated regional water management, and grant management. He has prepared and administered grants from the Massachusetts Sustainable Water Management Initiative as well as prepared two grant applications totaling over \$1.5 million on behalf of the City of Gloucester, Massachusetts for an Economic Development Authority (USDOC) grant and for a state Safety of Dams award to Attleboro, Massachusetts.

FLEET MANAGEMENT

Roger Thompson, is Weston & Sampson's **Fleet Operations Specialist**. Having managed a municipal public works fleet earlier in his career, Roger has over 24 years of national experience in public agency consulting, focusing on fleet operations evaluations, and operationally-based facility programming and planning for public works and transit agencies. He has provided management assessments, and programming / planning for over 80 municipal facilities in the

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TEAM ORGANIZATION

United States and Canada. Roger is viewed by many in the field as "the expert" in facility operational planning. He was recently named as one of the top five fleet minds in North America by "Government Fleet Magazine" and its "100 Best Fleets in North America" program, and was co-author of "Chapter 14 – Fleet Management (Facility Planning and Design)" published in 2008 by the American Public Works Association as part of its Public Works Administration manual.

PERMITTING

Blake A. Martin, environmental resource manager at Weston & Sampson, brings to our team over 25 years of experience and an in-depth knowledge of the regulatory guidelines with regard to wetlands permits, water quality permits, Army Corps requirements, Coastal Zone Management issues, and Water Management Act permits. Blake also has extensive knowledge of online permitting processes in use by the Massachusetts Department of Environmental Protection (MassDEP), and promotion of publicly accessible watershed plans, studies, and water quality information as part of the Massachusetts Watershed Initiative. Blake has managed over 300 projects involving well rehabilitation, well design, safe yield analysis, hydraulic modeling, and water quality sampling and brings to this project an in-depth knowledge of a variety of local, state, and federal permitting requirements.

FACILITY DESIGN

Jeffrey J. Alberti, LEED®AP has 15 years of experience and specializes in the planning, design, and construction of municipal facilities. He has served as project manager or project engineer for over 40 municipal facility improvement projects throughout New England, including Springfield, Barnstable, Bedford, Belmont, Brockton, Chatham, Chelmsford, Falmouth, Framingham, Franklin, Lynnfield, Norwood, Wakefield, Westhampton, and Yarmouth, Massachusetts, among others.

CONSTRUCTION

David F. Burke will provide constructability review / construction administration for this project. Dave has served as project engineer, resident engineer, and senior resident representative for numerous sewer and drainage construction projects throughout Massachusetts and has extensive experience in the design and construction of infrastructure improvements. He conducts quality control, biddability, and constructability reviews of all of our projects to ensure that our design standards have been applied and that the design is practical and cost-efficient. Dave provides effective cost control for all of our projects through his experience reviewing construction documents before bid and negotiating change orders if received by contractors.

TECHNICAL REVIEW

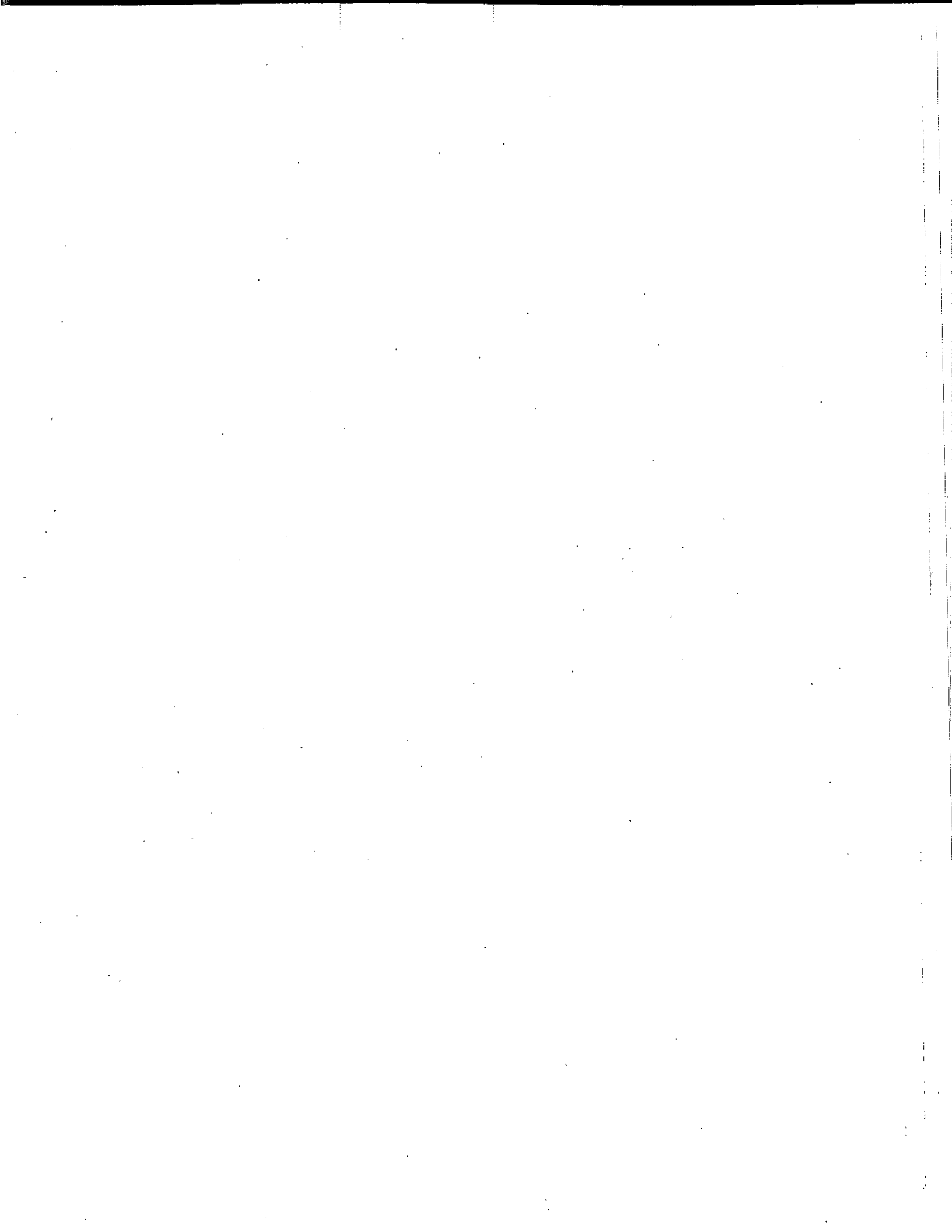
Weston & Sampson is committed to providing our clients with quality assurance and control (QA/QC). To assure that our firm's high standards are maintained, we routinely assign senior staff members who are not directly involved in the project to review the project team's work at regular intervals.

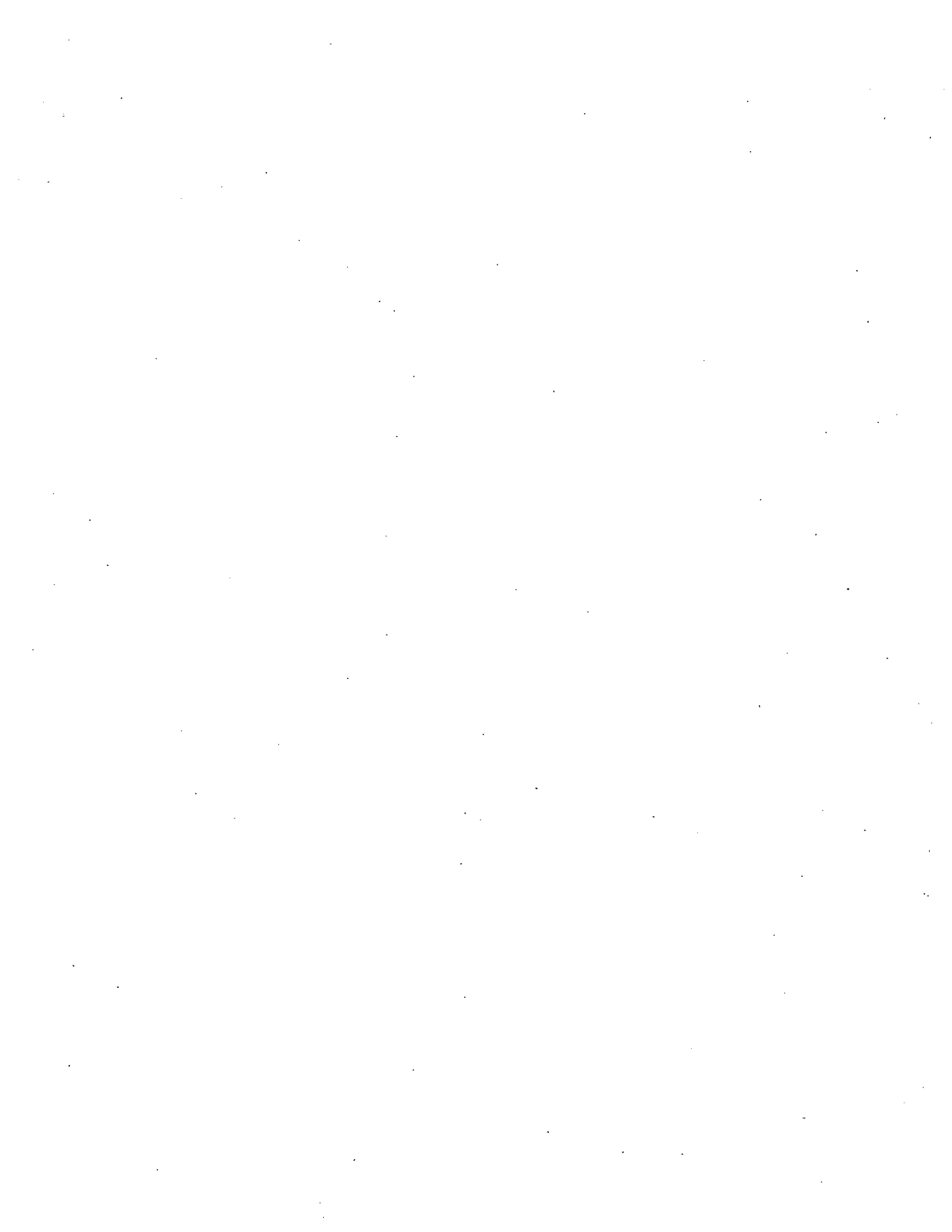
City of Springfield
On-Call Engineering Services for the DPW
Bid No. 16-061

TEAM ORGANIZATION

Peter M. Smith, PE, corporate risk manager, will lead the technical review effort for any task orders assigned under the proposed on-call contract. Pete has over 38 years of experience with complex infrastructure improvement projects and oversees our in-house Quality Assurance/Quality Control program. A **Massachusetts registered Professional Engineer**, Pete has provided engineering services for infrastructure improvements projects in the communities of Adams, Bedford, Lexington, Newton, Orange, Quincy, Rockport, Salem, Stoughton, and Ware, Massachusetts.

Francis W. Yanuskiewicz, senior vice president, will work in coordination with Pete Smith to provide a quality technical review of any proposed task orders. Fran brings to this project more than 35 years of experience managing major infrastructure planning, design, and construction projects in many communities throughout New England. His combined skills provide him with the ability to see important issues from the viewpoint of the community and its citizens, without sacrificing the understanding of the technical and regulatory constraints that sometimes impede local planning solutions. In addition, Fran has provided oversight for the negotiation of numerous inter-municipal agreements and is an expert in local project financing options, including betterment assessment and fee systems.





2. Project #
This space for use by Awarding Authority only.

1. Project Name/Location For Which Firm Is Filing:
**On-Call Professional Engineering Services
Bid No. 160-061
City of Springfield, Massachusetts**

Commonwealth of Massachusetts
Standard Designer Application Form for Municipalities and Public Agencies not within DSB Jurisdiction
(Updated May 2014)

3e. Name of Proposed Project Manager:
For Study: (if applicable) **Christopher B. Wester, PE (MA # 46406)**
For Design: (if applicable) **Christopher B. Wester, PE (MA # 46406)**

3f. Name and Address Of Other Participating Offices Of The Prime Applicant, if Different From Item 3a Above:
Weston & Sampson Engineers, Inc.
 85 Devonshire St
 Boston, Massachusetts 02109
Weston & Sampson Engineers, Inc.
 100 Foxborough Blvd, Ste 250
 Foxborough, Massachusetts 02035
Weston & Sampson Engineers, Inc.
 22 High Street
 Rensselaer, New York 12144
Weston & Sampson Engineers, Inc.
 100 International Drive, Suite 152
 Portsmouth, New Hampshire 03801

3a. Firm (Or Joint-Venture) - Name and Address Of Primary Office To Perform The Work:
Weston & Sampson Engineers, Inc.
 273 Dividend Road
 Rocky Hill, CT 06067

Weston & Sampson®

3b. Date Present and Predecessor Firms Were Established:
1899

3c. Federal ID #:
04-2601194

3d. Name and Title Of Principal-In-Charge Of The Project (MA Registration Required):
Michael J. Scipione, PE (MA # 42541) - President

Email Address: **scipionem@wseinc.com**
 Telephone No: **978-532-1900** Fax No.: **978-977-0100**

3g. Name and Address Of Parent Company, if Any:
N/A

3h. Check Below If Your Firm Is Either:
 (1) SDO Certified Minority Business Enterprise (MBE)
 (2) SDO Certified Woman Business Enterprise (WBE)
 (3) SDO Certified Minority Woman Business Enterprise (MWBE)

4. Personnel From Prime Firm Included In Question #3a Above By Discipline (List Each Person Only Once, By Primary Function -- Average Number Employed Throughout The Preceding 6 Month Period. Indicate Both The Total Number In Each Discipline And, Within Brackets, The Total Number Holding Massachusetts Registrations):

Admin. Personnel	32	()	Ecologists	()	6	(6)	GIS	()	3
Architects	8	(5)	Electrical Engrs.	(1)	7	(1)	Graphic	()	2
Acoustical Engrs.	()	()	Environmental Engrs.	(7)	1	()	Geologists	()	8
Civil Engrs.	12	(34)	Fire Protection Engrs.	()	1	()	Hydrologists	()	3
Code Specialists	()	()	Geotech. Engrs.	(4)	6	(2)	Hydrogeolog	()	3
Construction Inspectors	19	(2)	Industrial Hygienists	()	6	(1)	Other Scientists	()	10
Cost Estimators	1	()	Interior Designers	()	10	(4)	O&M	()	115
Drafters	10	()	Landscape Architects	(8)	9	(3)	Total	()	444
									(78)

5. Has this Joint-Venture previously worked together? Yes No

6. List **ONLY** Those Prime And Sub-Consultant Personnel Specifically Requested In The Advertisement. This Information Should Be Presented Below In The Form Of An Organizational Chart. Include Name Of Firm And Name Of The One Person In Charge Of The Discipline, With Mass. Registration Number, As Well As MBE/WBE Status, If Applicable.

PROJECT TEAM ORGANIZATION

City of Springfield
On-Call Engineering Services for the DPW
Bid No. 16-081



Weston & Sampson

PROJECT MANAGEMENT

Michael J. Solimine, PE (42341)
PRINCIPAL-IN-CHARGE
Christopher B. Weaver, PE (448409)
PROJECT MANAGER

TECHNICAL REVIEW

Patric M. Smith, PE (224102)
Francis W. Yanuskevich

ENVIRONMENTAL ENGINEERING / MASSACHUSETTS CONTINGENCY PLAN SUPPORT	
ASSESSMENT	REMEDIATION
George D. Nadeau, PG, LSP (42333)	Frank M. Ricciardi, PE, LSP (PE #4188 LSP #258)
RISK ASSESSMENT	SOLID WASTE
Marie Gules	Duane C. Hines, PE, PLS (42235)

CIVIL ENGINEERING			
TRANSPORTATION	STRUCTURAL	DAMSDIKES	WATER
Laurenca F. Krogan, Jr., PE (42378)	Richard G. Gagny, PE (42378)	Mark P. Mitsch, PE (42487)	Barbara K. Cook, PE (42378)
GEOTECHNICAL	WASTEWATER	SITE/CIVIL	STORMWATER
Christopher J. Palmer, PE	Donald G. Gajivca, PE (42372)	Robert G. Traversi, PE (42372)	Patricia L. Chisholm, PE (42372)

MECHANICAL / ELECTRICAL ENGINEERING / HVAC	
MECHANICAL/HVAC	ELECTRICAL
Scott Henderson, PE (42074)	Robert F. McAlister, PE (44007)

SURVEY/MAPPING/GIS	
CADD SPECIALIST	SURVEY
Richard W. Spur	C. Howard Jannasman, PLS (42199)
GIS/MAPPING	
	Michael D. Kestelotte

LANDSCAPE ARCHITECTURE	INFORMATION TECHNOLOGY	RENEWABLE ENERGY	FLEET MANAGEMENT	FACILITY DESIGN
Eugene R. Rolinger, RLA (4228)	Allan Murphy	John A. Figueiri, PG, LEP	Roger Thompson	Jeffrey J. Alberti, LEEDCAP
RECREATION	ARCHITECTURE	GRANT FUNDING/EMMA	PERMITTING	CONSTRUCTION
Cheri Ruggie, RLA (4228)	Daniel G. Tenney III, AIA (4285)	Robert Almy, PG	Blake A. Martin	Dave F. Burns

7. Brief Resume of ONLY those Prime Applicant and Sub-Consultant personnel requested in the Advertisement. Include Resumes of Project Managers. Resumes should be consistent with the persons listed on the Organizational Chart in Question # 6. Additional sheets should be provided only as required for the number of Key Personnel requested in the Advertisement and they must be in the format provided. By including a Firm as a Sub-Consultant, the Prime Applicant certifies that the listed Firm has agreed to work on this Project, should the team be selected.

<p>a. Name And Title Within Firm: Michael J. Scipione, PE, President</p>	<p>a. Name And Title Within Firm: Christopher B. Wester, PE, Vice President</p>
<p>b. Project Assignment: Principal-in-Charge</p>	<p>b. Project Assignment: Project Manager/Team Leader</p>
<p>c. Name And Address Of Office In Which Individual Identified In 7a Resides: Weston & Sampson 5 Centennial Drive Peabody, Massachusetts 01960</p> <p>MBE <input type="checkbox"/> WBE <input type="checkbox"/></p>	<p>c. Name And Address Of Office In Which Individual Identified In 7a Resides: Weston & Sampson 273 Dividend Road Rocky Hill, Connecticut 06067</p> <p>MBE <input type="checkbox"/> WBE <input type="checkbox"/></p>
<p>d. Years Experience: With This Firm: <u>30</u> With Other Firms: <u>2</u></p>	<p>d. Years Experience: With This Firm: <u>13</u> With Other Firms: <u>15</u></p>
<p>e. Education: Degree(s)/Year/Specialization Master of Science, Environmental Engineering, 1985 Bachelor of Science, Civil Engineering, 1981</p>	<p>e. Education: Degree(s)/Year/Specialization Bachelor of Science / 1986 / Civil Engineering</p>
<p>f. Active Registration: Year First Registered/Discipline/Mass Registration Number Massachusetts Professional Engineer/1999/Civil/ #42541</p>	<p>f. Active Registration: Year First Registered/Discipline/Mass Registration Number Professional Engineer / Massachusetts #46406</p>
<p>g. Current Work Assignments and Availability For This Project: To be determined based on assignment.</p>	<p>g. Current Work Assignments and Availability For This Project: To be determined based on assignment.</p>
<p>h. Other Experience and Qualifications Relevant To The Proposed Project: (Identify Firm By Which Employed, If Not Current Firm): Please refer to Section 1, Team Organization, for a brief description. A complete resume is included in Section 4, Professional Personnel.</p>	<p>h. Other Experience and Qualifications Relevant To The Proposed Project: (Identify Firm By Which Employed, If Not Current Firm): Please refer to Section 1, Team Organization, for a brief description. A complete resume is included in Section 4, Professional Personnel.</p>

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<p>a. Name and Title Within Firm: Francis W. Yanuskiewicz, PE, Senior Vice President</p>	<p>a. Name and Title Within Firm: Peter M. Smith, PE, Corporate Risk Manager</p>
<p>b. Project Assignment Technical Review</p>	<p>b. Project Assignment Technical Review</p>
<p>c. Name And Address Of Office In Which Individual Identified In 7a Resides: Weston & Sampson 5 Centennial Drive Peabody, Massachusetts 01960</p> <p style="text-align: right;">MBE <input type="checkbox"/> WBE <input type="checkbox"/></p>	<p>c. Name And Address Of Office In Which Individual Identified In 7a Resides: Weston & Sampson 5 Centennial Drive Peabody, Massachusetts 01960</p> <p style="text-align: right;">MBE <input type="checkbox"/> WBE <input type="checkbox"/></p>
<p>d. Years Experience: With This Firm: <u>41</u> With Other Firms: <u>3</u></p>	<p>d. Years Experience: With This Firm: <u>41</u> With Other Firms: <u>0</u></p>
<p>e. Education: Degree(s) /Year/Specialization Bachelor of Science, CIVIL Engineering, 1973</p>	<p>e. Education: Degree(s) /Year/Specialization Bachelor of Science, CIVIL Engineering, 1973</p>
<p>f. Active Registration: Year First Registered/Discipline/Mass Registration Number N/A</p>	<p>f. Active Registration: Year First Registered/Discipline/Mass Registration Number Massachusetts Professional Engineer/1978/Civil/ # 29402</p>
<p>g. Current Work Assignments And Availability For This Project: To be determined based on assignment.</p>	<p>g. Current Work Assignments And Availability For This Project: To be determined based on assignment.</p>
<p>h. Other Experience And Qualifications Relevant To The Proposed Project: (Identify Firm By Which Employed, If Not Current Firm): Please refer to Section 1, <i>Team Organization</i>, for a brief description. A complete resume is included in Section 4, <i>Professional Personnel</i>.</p>	<p>h. Other Experience And Qualifications Relevant To The Proposed Project: (Identify Firm By Which Employed, If Not Current Firm): Please refer to Section 1, <i>Team Organization</i>, for a brief description. A complete resume is included in Section 4, <i>Professional Personnel</i>.</p>

Brief Resume of ONLY those Prime Applicant and Sub-Consultant personnel requested in the Advertisement. Include Resumes of Project Managers. Resumes should be consistent with the persons listed on the Organizational Chart in Question # 6. Additional sheets should be provided only as required for the number of Key Personnel requested in the Advertisement and they must be in the format provided. By including a Firm as a Sub-Consultant, the Prime Applicant certifies that the listed Firm has agreed to work on this Project, should the team be selected.

<p>a. Name And Title Within Firm: George D. Nasias, PG, LSP, Vice President</p>	<p>Name And Title Within Firm: Frank M. Ricciardi, PE, LSP, Team Leader</p>
<p>b. Project Assignment: Environmental Engineering / MCP Support / Assessment</p>	<p>Project Assignment: Environmental Engineering / MCP Support / Remediation</p>
<p>c. Name And Address Of Office In Which Individual Identified In 7a Resides: Weston & Sampson 5 Centennial Drive Peabody, Massachusetts 01960</p>	<p>Name And Address Of Office In Which Individual Identified In 7a Resides: Weston & Sampson® 5 Centennial Drive Peabody, Massachusetts 01960</p> <p>MBE <input type="checkbox"/> WBE <input type="checkbox"/></p>
<p>d. Years Experience: With This Firm: <u>21</u> With Other Firms: <u>5</u></p>	<p>Years Experience: With This Firm: <u>12</u> With Other Firms: <u>11</u></p>
<p>e. Education: Degree(s) / Year / Specialization Master of Science / 1991 / Hydrology / Hydrogeology Bachelor of Science / 1985 / Geology</p>	<p>Education: Degree(s) / Year / Specialization Master of Science / 1998 / Environmental Engineering Bachelor of Science / 1993 / Civil Engineering</p>
<p>f. Active Registration: Year First Registered / Discipline / Mass Registration Number 2002 / Licensed Site Professional (LSP) / MA #6524 2002 / Professional Geologist / NH #185</p>	<p>Active Registration: Year First Registered / Discipline / Mass Registration Number 2006 / Licensed Site Professional (LSP) / MA #5586 2001 / Professional Engineer / MA #41689</p>
<p>g. Current Work Assignments And Availability For This Project: To be determined based on assignment.</p>	<p>Current Work Assignments And Availability For This Project: To be determined based on assignment.</p>
<p>h. Other Experience And Qualifications Relevant To The Proposed Project: (Identify Firm By Which Employed, If Not Current Firm): Please refer to Section 1, Team Organization, for a brief description. A complete resume is included in Section 4, Professional Personnel.</p>	<p>Other Experience And Qualifications Relevant To The Proposed Project: (Identify Firm By Which Employed, If Not Current Firm): Please refer to Section 1, Team Organization, for a brief description. A complete resume is included in Section 4, Professional Personnel.</p>

<p>7. Brief Resume of ONLY those Prime Applicant and Sub-Consultant personnel requested in the Advertisement. Include Resumes of Project Managers. Resumes should be consistent with the persons listed on the Organizational Chart in Question # 6. Additional sheets should be provided only as required for the number of Key Personnel requested in the Advertisement and they must be in the format provided. By including a Firm as a Sub-Consultant, the Prime Applicant certifies that the listed Firm has agreed to work on this Project, should the team be selected.</p>	
<p>a. Name And Title Within Firm: Marie Gullies, Risk Assessment Specialist</p>	<p>a. Name And Title Within Firm: Dean L. Groves, PE, Practice Leader</p>
<p>b. Project Assignment: Environmental Engineering / MCP Support / Risk Assessment</p>	<p>b. Project Assignment: Civil Engineering / Transportation</p>
<p>c. Name And Address Of Office In Which Individual Identified In 7a Resides: Weston & Sampson 5 Centennial Drive Peabody, Massachusetts 01960</p>	<p>c. Name And Address Of Office In Which Individual Identified In 7a Resides: Weston & Sampson 100 Foxborough Boulevard, Suite 250 Foxborough, Massachusetts 02035</p>
<p>d. Years Experience: With This Firm: <u>2</u> With Other Firms: <u>20</u></p>	<p>d. Years Experience: With This Firm: <u>1</u> With Other Firms: <u>40</u></p>
<p>e. Education: Degree(s) / Year/Specialization Bachelor of Science / 1994 / Toxicology</p>	<p>e. Education: Degree(s) / Year/Specialization Master of Science / 1986 / Civil Engineering, Transportation Bachelor of Science / 1974 / Civil Engineering</p>
<p>f. Active Registration: Year First Registered/Discipline/Mass Registration Number N/A</p>	<p>f. Active Registration: Year First Registered/Discipline/Mass Registration Number 1986 / Professional Engineer / Massachusetts # 33782</p>
<p>g. Current Work Assignments And Availability For This Project: To be determined based on assignment.</p>	<p>g. Current Work Assignments And Availability For This Project: To be determined based on assignment.</p>
<p>h. Other Experience And Qualifications Relevant To The Proposed Project: (Identify Firm By Which Employed, If Not Current Firm): Please refer to Section 1, <i>Team Organization</i>, for a brief description. A complete resume is included in Section 4, <i>Professional Personnel</i>.</p>	<p>h. Other Experience And Qualifications Relevant To The Proposed Project: (Identify Firm By Which Employed, If Not Current Firm): Please refer to Section 1, <i>Team Organization</i>, for a brief description. A complete resume is included in Section 4, <i>Professional Personnel</i>.</p>

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<p>a. Name And Title Within Firm: Richard A. Campbell, PE, Senior Project Manager</p>	<p>a. Name And Title Within Firm: Christopher J. Palmer, PE, GE, Project Manager</p>
<p>b. Project Assignment: Civil Engineering / Structural</p>	<p>b. Project Assignment: Civil Engineering / Geotechnical</p>
<p>c. Name And Address Of Office In Which Individual Identified In 7a Resides: Weston & Sampson 100 Foxborough Boulevard, Suite 250 Foxborough, Massachusetts 02035</p> <p>d. Years Experience: With This Firm: 5 With Other Firms: 25</p>	<p>c. Name And Address Of Office In Which Individual Identified In 7a Resides: Weston & Sampson 100 Foxborough Boulevard, Suite 250 Foxborough, Massachusetts 02035</p> <p>d. Years Experience: With This Firm: 4 With Other Firms: 10</p>
<p>e. Education: Degree(s) Year/Specialization Master of Science / 1984 / Civil Engineering Bachelor of Science / 1982 / Civil/Environmental Engineering</p>	<p>e. Education: Degree(s) Year/Specialization Master of Science / 1999 / Civil & Environmental Engineering Bachelor of Science / 1996 / Civil & Environmental Engineering</p>
<p>f. Active Registration: Year First Registered/Discipline/Mass Registration Number 1991 / Professional Engineer / Massachusetts # 36256</p>	<p>f. Active Registration: Year First Registered/Discipline/Mass Registration Number 2012 / Professional Engineer / Massachusetts # 49828</p>
<p>g. Current Work Assignments And Availability For This Project: To be determined based on assignment.</p>	<p>g. Current Work Assignments And Availability For This Project: To be determined based on assignment.</p>
<p>h. Other Experience And Qualifications Relevant To The Proposed Project: (Identify Firm By Which Employed, If Not Current Firm): Please refer to Section 1, <i>Team Organization</i>, for a brief description. A complete resume is included in Section 4, <i>Professional Personnel</i>.</p>	<p>h. Other Experience And Qualifications Relevant To The Proposed Project: (Identify Firm By Which Employed, If Not Current Firm): Please refer to Section 1, <i>Team Organization</i>, for a brief description. A complete resume is included in Section 4, <i>Professional Personnel</i>.</p>

<p>7. Brief Resume of ONLY those Prime Applicant and Sub-Consultant personnel requested in the Advertisement. Include Resumes of Project Managers. Resumes should be consistent with the person listed on the Organizational Chart in Question # 6. Additional sheets should be provided only as required for the number of Key Personnel requested in the Advertisement and they must be in the form provided. By including a Firm as a Sub-Consultant, the Prime Applicant certifies that the listed Firm has agreed to work on this Project, should the team be selected.</p>	
<p>a. Name And Title Within Firm: Mark P. Mitsch, PE, Associate / Manager of Geotechnical Engineering</p>	<p>a. Name And Title Within Firm: Barbara K. Cook, PE, Vice President</p>
<p>b. Project Assignment: Civil Engineering / Dams/Dikes</p>	<p>b. Project Assignment: Civil Engineering / Water</p>
<p>c. Name And Address Of Office In Which Individual Identified In 7a Resides: Weston & Sampson 100 Foxborough Boulevard, Suite 250 Foxborough, Massachusetts 02035 Weston&Sampson® MBE <input type="checkbox"/> WBE <input type="checkbox"/></p>	<p>c. Name And Address Of Office In Which Individual Identified In 7a Resides: Weston & Sampson 5 Centennial Drive Peabody, Massachusetts 01960 Weston&Sampson® MBE <input type="checkbox"/> WBE <input type="checkbox"/></p>
<p>d. Years Experience: With This Firm: 14 With Other Firms: 18</p>	<p>d. Years Experience: With This Firm: 31 With Other Firms: 0</p>
<p>e. Education: Degree(s) / Year / Specialization Master of Science / 1981 / Civil/Geotechnical Engineering Bachelor of Science / 1979 / Forest Engineering</p>	<p>e. Education: Degree(s) / Year / Specialization Bachelor of Science / 1984 / Civil Engineering</p>
<p>f. Active Registration: Year First Registered / Discipline / Mass Registration Number 2006 / Professional Engineer / Massachusetts #46681</p>	<p>f. Active Registration: Year First Registered / Discipline / Mass Registration Number 1991 / Professional Engineer / Massachusetts #35759</p>
<p>g. Current Work Assignments And Availability For This Project: To be determined based on assignment.</p>	<p>g. Current Work Assignments And Availability For This Project: To be determined based on assignment.</p>
<p>h. Other Experience And Qualifications Relevant To The Proposed Project (Identify Firm By Which Employed, If Not Current Firm): Please refer to Section 1, <i>Team Organization</i>, for a brief description. A complete resume is included in Section 4, <i>Professional Personnel</i>.</p>	<p>h. Other Experience And Qualifications Relevant To The Proposed Project (Identify Firm By Which Employed, If Not Current Firm): Please refer to Section 1, <i>Team Organization</i>, for a brief description. A complete resume is included in Section 4, <i>Professional Personnel</i>.</p>

7. Brief Resume of ONLY those Prime Applicant and Sub-Consultant personnel requested in the Advertisement. Include Resumes of Project Managers. Resumes should be consistent with the persons listed on the Organizational Chart in Question # 6. Additional sheets should be provided only as required for the number of Key Personnel requested in the Advertisement and they must be in the format provided. By including a Firm as a Sub-Consultant, the Prime Applicant certifies that the listed Firm has agreed to work on this Project, should the team be selected.

<p>a. Name And Title Within Firm: Donald G. Gallucci, PE, Vice President</p>	<p>a. Name And Title Within Firm: Patricia C. Chesebrough, PE, Project Manger</p>
<p>b. Project Assignment: Civil Engineering / Wastewater</p>	<p>b. Project Assignment: Civil Engineering / Stormwater</p>
<p>c. Name And Address Of Office In Which Individual Identified In 7a Resides: Weston & Sampson 5 Centennial Drive Peabody, Massachusetts 01960</p> <p>MBE <input type="checkbox"/> WBE <input type="checkbox"/></p>	<p>c. Name And Address Of Office In Which Individual Identified In 7a Resides: Weston & Sampson 5 Centennial Drive Peabody, Massachusetts 01960</p> <p>MBE <input type="checkbox"/> WBE <input type="checkbox"/></p>
<p>d. Years Experience: With This Firm: 25 With Other Firms: 0</p>	<p>d. Years Experience: With This Firm: 19 With Other Firms: 4</p>
<p>e. Education: Degree(s) / Year / Specialization Master of Science / 1994 / Civil Engineering Bachelor of Science / 1989 / Civil Engineering</p>	<p>e. Education: Degree(s) / Year / Specialization Bachelor of Environmental Design / 1990 / Urban Planning Bachelor of Science / 1995 / Civil Engineering</p>
<p>f. Active Registration: Year First Registered / Discipline / Mass Registration Number 1994 / Professional Engineer / Massachusetts # 37973</p>	<p>f. Active Registration: Year First Registered / Discipline / Mass Registration Number 2011 / Professional Engineer / Massachusetts # 49172</p>
<p>g. Current Work Assignments And Availability For This Project: To be determined based on assignment.</p>	<p>g. Current Work Assignments And Availability For This Project: To be determined based on assignment.</p>
<p>h. Other Experience And Qualifications Relevant To The Proposed Project: (Identify Firm By Which Employed, If Not Current Firm): Please refer to Section 1, Team Organization, for a brief description. A complete resume is included in Section 4, Professional Personnel.</p>	<p>h. Other Experience And Qualifications Relevant To The Proposed Project: (Identify Firm By Which Employed, If Not Current Firm): Please refer to Section 1, Team Organization, for a brief description. A complete resume is included in Section 4, Professional Personnel.</p>

<p>7. Brief Resume of ONLY those Prime Applicant and Sub-Consultant personnel requested in the Advertisement. Include Resumes of Project Managers. Resumes should be consistent with the persons listed on the Organizational Chart in Question # 6. Additional sheets should be provided only as required for the number of Key Personnel requested in the Advertisement and they must be in the format provided. By including a Firm as a Sub-Consultant, the Prime Applicant certifies that the listed Firm has agreed to work on this Project, should the team be selected.</p>	
<p>a. Name And Title Within Firm: Duane C. Himes, PE, PLS, Project Manager</p>	<p>a. Name And Title Within Firm: Daniel G. Tenney III, AIA, Senior Project Manager/Lead Architect</p>
<p>b. Project Assignment: Environmental Engineering / Solid Waste Management & Landfills</p>	<p>b. Project Assignment: Architecture</p>
<p>c. Name And Address Of Office In Which Individual Identified In 7a Resides: Weston & Sampson 5 Centennial Drive Peabody, Massachusetts 01960</p> <p style="text-align: right;">MBE <input type="checkbox"/> WBE <input type="checkbox"/></p>	<p>c. Name And Address Of Office In Which Individual Identified In 7a Resides: Weston & Sampson Engineers, Inc. 85 Devonshire Street, 3rd Floor Boston, Massachusetts 02109</p> <p style="text-align: right;">MBE <input type="checkbox"/> WBE <input type="checkbox"/></p>
<p>d. Years Experience: With This Firm: <u>10</u> With Other Firms: <u>29</u></p>	<p>d. Years Experience: With This Firm: <u>1</u> With Other Firms: <u>30</u></p>
<p>e. Education: Degree(s) /Year/Specialization Bachelor of Science / 1975 / Civil Engineering Continuing Education / 1988 / Soil Science</p>	<p>e. Education: Degree(s) /Year/Specialization Masters of Architecture / 1984 Bachelor of Arts / 1977 / Architecture</p>
<p>f. Active Registration: Year First Registered/Discipline/Mass Registration Number 2010 / Professional Engineer / Massachusetts # 32336</p>	<p>f. Active Registration: Year First Registered/Discipline/Mass Registration Number Registered Architect / Massachusetts # 6688</p>
<p>g. Current Work Assignments And Availability For This Project: To be determined based on assignment.</p>	<p>g. Current Work Assignments And Availability For This Project: To be determined based on assignment.</p>
<p>h. Other Experience And Qualifications Relevant To The Proposed Project (Identify Firm By Which Employed, If Not Current Firm): Please refer to Section 1, <i>Team Organization</i>, for a brief description. A complete resume is included in Section 4, <i>Professional Personnel</i>.</p>	<p>h. Other Experience And Qualifications Relevant To The Proposed Project (Identify Firm By Which Employed, If Not Current Firm): Please refer to Section 1, <i>Team Organization</i>, for a brief description. A complete resume is included in Section 4, <i>Professional Personnel</i>.</p>

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<p>a. Name And Title Within Firm: Eugene R. Bolinger, RLA, Vice President</p>	<p>a. Name And Title Within Firm: Cheri Ruane, RLA, Project Manager</p>
<p>b. Project Assignment: Landscape Architecture</p>	<p>b. Project Assignment: Recreation</p>
<p>c. Name And Address Of Office In Which Individual Identified In 7a Resides: Weston & Sampson Engineers, Inc. 85 Devonshire Street, 3rd Floor Boston, Massachusetts 02109</p> <p>MBE <input type="checkbox"/> WBE <input type="checkbox"/></p>	<p>c. Name And Address Of Office In Which Individual Identified In 7a Resides: Weston & Sampson® 85 Devonshire Street, 3rd Floor Boston, Massachusetts 02109</p> <p>MBE <input type="checkbox"/> WBE <input type="checkbox"/></p>
<p>d. Years Experience: With This Firm: 14 With Other Firms: 15</p>	<p>d. Years Experience: With This Firm: 8 With Other Firms: 11</p>
<p>e. Education: Degree(s)/Year/Specialization Master / 1983 / Landscape Architecture Bachelor of Science / 1981 / Environmental Design</p>	<p>e. Education: Degree(s)/Year/Specialization Master / 2001 / Landscape Architecture Bachelor of Science / 1995 / Landscape Architecture</p>
<p>f. Active Registration: Year First Registered/Discipline/Mass Registration Number 1987 / Registered Landscape Architect / Massachusetts #906</p>	<p>f. Active Registration: Year First Registered/Discipline/Mass Registration Number 1999 / Registered Landscape Architect / Massachusetts #1220</p>
<p>g. Current Work Assignments And Availability For This Project: To be determined based on assignment.</p>	<p>g. Current Work Assignments And Availability For This Project: To be determined based on assignment.</p>
<p>h. Other Experience And Qualifications Relevant To The Proposed Project: (Identify Firm By Which Employed, If Not Current Firm): Please refer to Section 1, <i>Team Organization</i>, for a brief description. A complete resume is included in Section 4, <i>Professional Personnel</i>.</p>	<p>h. Other Experience And Qualifications Relevant To The Proposed Project: (Identify Firm By Which Employed, If Not Current Firm): Please refer to Section 1, <i>Team Organization</i>, for a brief description. A complete resume is included in Section 4, <i>Professional Personnel</i>.</p>

<p>7. Brief Resume of ONLY those Prime Applicant and Sub-Consultant personnel requested in the Advertisement. <u>Include Resumes of Project Managers.</u> Resumes should be consistent with the persons listed on the Organizational Chart in Question # 6. Additional sheets should be provided only as required for the number of Key Personnel requested in the Advertisement and they must be in the format provided. By including a Firm as a Sub-Consultant, the Prime Applicant certifies that the listed Firm has agreed to work on this Project, should the team be selected.</p>	
<p>a. Name And Title Within Firm: Jeffrey J. Alberti, LEED® AP, Team Leader</p>	<p>a. Name And Title Within Firm: Roger L. Thompson, Fleet Maintenance Operations Planning Specialist</p>
<p>b. Project Assignment: Facility Design</p>	<p>b. Project Assignment: Fleet Management</p>
<p>c. Name And Address Of Office In Which Individual Identified In 7a Resides: Weston & Sampson 100 Foxborough Boulevard, Suite 250 Foxborough, Massachusetts 02035</p>	<p>c. Name And Address Of Office In Which Individual Identified In 7a Resides: Weston & Sampson 5 Centennial Drive Peabody, Massachusetts 01960</p>
<p>d. Years Experience: With This Firm: 8 With Other Firms: 13</p>	<p>d. Years Experience: With This Firm: 4 With Other Firms: 24</p>
<p>e. Education: Degree(s) /Year/Specialization Bachelor of Science, 1992, Civil Engineering</p>	<p>e. Education: Degree(s) /Year/Specialization Bachelor of Science / Business Management Management Training</p>
<p>f. Active Registration: Year First Registered/Discipline/Mass Registration Number 2009 / LEED® Accredited Professional</p>	<p>f. Active Registration: Year First Registered/Discipline/Mass Registration Number N/A</p>
<p>g. Current Work Assignments And Availability For This Project: To be determined based on assignment.</p>	<p>g. Current Work Assignments And Availability For This Project: To be determined based on assignment.</p>
<p>h. Other Experience And Qualifications Relevant To The Proposed Project: (Identify Firm By Which Employed, If Not Current Firm): Please refer to Section 1, <i>Team Organization</i>, for a brief description. A complete resume is included in Section 4, <i>Professional Personnel</i>.</p>	<p>h. Other Experience And Qualifications Relevant To The Proposed Project: (Identify Firm By Which Employed, If Not Current Firm): Please refer to Section 1, <i>Team Organization</i>, for a brief description. A complete resume is included in Section 4, <i>Professional Personnel</i>.</p>

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<p>a. Name And Title Within Firm: Blake A. Martin, Associate / Environmental Resource Manager</p>	<p>a. Name And Title Within Firm: Aileen Murphy, Client Manager – Data Management Software</p>
<p>b. Project Assignment: Permitting</p>	<p>b. Project Assignment: Information Technology</p>
<p>c. Name And Address Of Office In Which Individual Identified In 7a Resides: Weston & Sampson 5 Centennial Drive Peabody, Massachusetts 01960</p> <p>MBE <input type="checkbox"/> WBE <input type="checkbox"/></p>	<p>c. Name And Address Of Office In Which Individual Identified In 7a Resides: Weston & Sampson 5 Centennial Drive Peabody, Massachusetts 01960</p> <p>MBE <input type="checkbox"/> WBE <input type="checkbox"/></p>
<p>d. Years Experience: With This Firm: <u>13</u> With Other Firms: <u>19</u></p>	<p>d. Years Experience: With This Firm: <u>3</u> With Other Firms: <u>12</u></p>
<p>e. Education: Degree(s) / Year / Specialization Bachelor of Arts / 1984 / Geology, Economics, Environmental Studies</p>	<p>e. Education: Degree(s) / Year / Specialization Bachelor of Science / 1992 / Management</p>
<p>f. Active Registration: Year First Registered / Discipline / Mass Registration Number N/A</p>	<p>f. Active Registration: Year First Registered / Discipline / Mass Registration Number N/A</p>
<p>g. Current Work Assignments And Availability For This Project: To be determined based on assignment.</p>	<p>g. Current Work Assignments And Availability For This Project: To be determined based on assignment.</p>
<p>h. Other Experience And Qualifications Relevant To The Proposed Project: (Identify Firm By Which Employed, if Not Current Firm): Please refer to Section 1, Team Organization, for a brief description. A complete resume is included in Section 4, Professional Personnel.</p>	<p>h. Other Experience And Qualifications Relevant To The Proposed Project: (Identify Firm By Which Employed, if Not Current Firm): Please refer to Section 1, Team Organization, for a brief description. A complete resume is included in Section 4, Professional Personnel.</p>

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<p>a. Name And Title Within Firm: David F. Burke, Construction Manager</p>	<p>a. Name And Title Within Firm: John A. Figurelli, LEP, Team Leader</p>
<p>b. Project Assignment: Construction</p>	<p>b. Project Assignment: Renewable Energy</p>
<p>c. Name And Address Of Office In Which Individual Identified In 7a Resides: Weston & Sampson 5 Centennial Drive Peabody, Massachusetts 01960</p> <p style="text-align: right;">MBE <input type="checkbox"/> WBE <input type="checkbox"/></p>	<p>c. Name And Address Of Office In Which Individual Identified In 7a Resides: Weston & Sampson 273 Dividend Road Rocky Hill, Connecticut 06067</p> <p style="text-align: right;">MBE <input type="checkbox"/> WBE <input type="checkbox"/></p>
<p>d. Years Experience: With This Firm: 29 With Other Firms: 36</p>	<p>d. Years Experience: With This Firm: 11 With Other Firms: 11</p>
<p>e. Education: Degree(s) / Year / Specialization Bachelor of Science / 1985 / Civil Engineering</p>	<p>e. Education: Degree(s) / Year / Specialization Master of Science / 1991 / Geology-Hydrogeology Bachelor of Science / 1989 / Geology</p>
<p>f. Active Registration: Year First Registered / Discipline / Mass Registration Number N/A</p>	<p>f. Active Registration: Year First Registered / Discipline / Mass Registration Number 2006 / Connecticut Licensed Environmental Professional #3335</p>
<p>g. Current Work Assignments And Availability For This Project: To be determined based on assignment.</p>	<p>g. Current Work Assignments And Availability For This Project: To be determined based on assignment.</p>
<p>h. Other Experience And Qualifications Relevant To The Proposed Project (Identify Firm By Which Employed, If Not Current Firm): Please refer to Section 1, <i>Team Organization</i>, for a brief description. A complete resume is included in Section 4, <i>Professional Personnel</i>.</p>	<p>h. Other Experience And Qualifications Relevant To The Proposed Project (Identify Firm By Which Employed, If Not Current Firm): Please refer to Section 1, <i>Team Organization</i>, for a brief description. A complete resume is included in Section 4, <i>Professional Personnel</i>.</p>




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<p>a. Name And Title Within Firm: C. Howard Johannesson, PLS – Chief Surveyor</p>	<p>a. Name And Title Within Firm: Robert Army, PG</p>
<p>b. Project Assignment: Survey</p>	<p>b. Project Assignment: Grant Funding/FEMA</p>
<p>c. Name And Address Of Office In Which Individual Identified In 7a Resides: Weston & Sampson 5 Centennial Drive Peabody, Massachusetts 01960</p> <p>d. Years Experience: With This Firm: 4 With Other Firms: 36</p>	<p>c. Name And Address Of Office In Which Individual Identified In 7a Resides: Weston & Sampson 5 Centennial Drive Peabody, Massachusetts 01960</p> <p>d. Years Experience: With This Firm: 1 With Other Firms: 37</p>
<p>e. Education: Degree(s) /Year/Specialization Bachelor of Arts / 1973 / Geology</p>	<p>e. Education: Degree(s) /Year/Specialization Master of Science / 1977 / Geology Bachelor of Arts / 1973 / Geology</p>
<p>f. Active Registration: Year First Registered/Discipline/Mass Registration Number 1993 / Professional Land Surveyor/ MA#37049</p>	<p>f. Active Registration: Year First Registered/Discipline/Mass Registration Number Registered Professional Geologist / CA #3802 Registered Engineering Geologist / OR #E-684</p>
<p>g. Current Work Assignments And Availability For This Project: To be determined based on assignment.</p>	<p>g. Current Work Assignments And Availability For This Project: To be determined based on assignment.</p>
<p>h. Other Experience And Qualifications Relevant To The Proposed Project (Identify Firm By Which Employed, If Not Current Firm): Please refer to Section 1, Team Organization, for a brief description. A complete resume is included in Section 4, Professional Personnel.</p>	<p>h. Other Experience And Qualifications Relevant To The Proposed Project (Identify Firm By Which Employed, If Not Current Firm): Please refer to Section 1, Team Organization, for a brief description. A complete resume is included in Section 4, Professional Personnel.</p>

<p>7. Brief Resume of ONLY those Prime Applicant and Sub-Consultant personnel requested in the Advertisement. <u>Include Resumes of Project Managers.</u> Resumes should be consistent with the persons listed on the Organizational Chart in Question # 6. Additional sheets should be provided only as required for the number of Key Personnel requested in the Advertisement and they must be in the format provided. By including a Firm as a Sub-Consultant, the Prime Applicant certifies that the listed Firm has agreed to work on this Project, should the team be selected.</p>	
<p>a. Name And Title Within Firm: Scott E. Henriques, PE, LEED®AP, CEM;</p>	<p>a. Name And Title Within Firm: Robert McAleer, PE; Senior Electrical Engineer</p>
<p>b. Project Assignment: Senior Project Manager / Mechanical Engineer</p>	<p>b. Project Assignment: Electrical Engineering</p>
<p>c. Name And Address Of Office In Which Individual Identified In 7a Resides: Weston & Sampson 100 International Drive, Suite 152 Portsmouth, New Hampshire 03801</p>	<p>c. Name And Address Of Office In Which Individual Identified In 7a Resides: Weston & Sampson 5 Centennial Drive Peabody, Massachusetts 01960</p>
<p>d. Years Experience: With This Firm: <u>1</u> With Other Firms: <u>30</u></p>	<p>d. Years Experience: With This Firm: <u>2</u> With Other Firms: <u>29</u></p>
<p>e. Education: Degree(s) /Year/Specialization Bachelor of Science / 1993 / Mechanical Engineering 1985 Graduate / Naval Nuclear Power School / 1985 Graduate / 1984 / Advanced Machinist Mate School</p>	<p>e. Education: Degree(s) /Year/Specialization Bachelor of Science / 1984 / Electrical Engineering</p>
<p>f. Active Registration: Year First Registered/Discipline/Mass Registration Number Professional Engineer: 1998 / Professional Engineer / Maine # 40721 LEED® Accredited Professional O&M Certified Energy Manager (CEM)</p>	<p>f. Active Registration: Year First Registered/Discipline/Mass Registration Number 2009 / Professional Engineer (Electrical) / #48017</p>
<p>g. Current Work Assignments And Availability For This Project: To be determined based on assignment.</p>	<p>g. Current Work Assignments And Availability For This Project: To be determined based on assignment.</p>
<p>h. Other Experience And Qualifications Relevant To The Proposed Project: (Identify Firm By Which Employed, If Not Current Firm): Please refer to Section 1, <i>Team Organization</i>, for a brief description. A complete resume is included in Section 4, <i>Professional Personnel</i>.</p>	<p>h. Other Experience And Qualifications Relevant To The Proposed Project: (Identify Firm By Which Employed, If Not Current Firm): Please refer to Section 1, <i>Team Organization</i>, for a brief description. A complete resume is included in Section 4, <i>Professional Personnel</i>.</p>

<p>7. Brief Resume Of ONLY Those Prime Applicant And Sub-Consultant Personnel Requested In The Advertisement. Confine Responses To The Space Provided On The Form And Limit Resumes To ONE Person Per Discipline Requested In The Advertisement. Resumes Should Be Consistent With The Persons Listed On The Organizational Chart In Question # 6. Additional Sheets Should Be Provided Only As Required For The Number Of Key Personnel Requested In The Advertisement And They Must Be In The Format Provided. By Including A Firm As A Sub-Consultant, The Prime Applicant Certifies That The Listed Firm Has Agreed To Work On This Project, Should The Team Be Selected.</p>	<p>a. Name And Title Within Firm: Richard W. Spurr, CADD Supervisor</p> <p>b. Project Assignment: CADD</p>	<p>a. Name And Title Within Firm: Michael D. Kastanotis, GIS Analyst</p> <p>b. Project Assignment: GIS/Mapping</p>
<p>c. Name And Address Of Office In Which Individual Identified In 7a Resides: Weston & Sampson 5 Centennial Drive Peabody, Massachusetts 01960</p> <p>d. Years Experience: With This Firm: 25 With Other Firms: 14</p>	<p>c. Name And Address Of Office In Which Individual Identified In 7a Resides: Weston & Sampson 5 Centennial Drive Peabody, Massachusetts 01960</p> <p>d. Years Experience: With This Firm: 13 With Other Firms: 0</p>	<p>c. Name And Address Of Office In Which Individual Identified In 7a Resides: Weston & Sampson 5 Centennial Drive Peabody, Massachusetts 01960</p> <p>d. Years Experience: With This Firm: 13 With Other Firms: 0</p>
<p>e. Education: Degree(s) /Year/Specialization 1998 / Certificate of Accomplishment for Advanced AutoCADD Training</p> <p>f. Active Registration: Year First Registered/Discipline/Mass Registration Number N/A</p>	<p>e. Education: Degree(s) /Year/Specialization Bachelor of Science / 2002 / Analytic Cartography / Geographic Information Systems</p> <p>f. Active Registration: Year First Registered/Discipline/Mass Registration Number N/A</p>	<p>e. Education: Degree(s) /Year/Specialization Bachelor of Science / 2002 / Analytic Cartography / Geographic Information Systems</p> <p>f. Active Registration: Year First Registered/Discipline/Mass Registration Number N/A</p>
<p>g. Current Work Assignments And Availability For This Project: To be determined based on assignment.</p>	<p>g. Current Work Assignments And Availability For This Project: To be determined based on assignment.</p>	<p>g. Current Work Assignments And Availability For This Project: To be determined based on assignment.</p>
<p>h. Other Experience And Qualifications Relevant To The Proposed Project. (Identify Firm By Which Employed, If Not Current Firm): Please refer to Section 1, <i>Team Organization</i>, for a brief description. A complete resume is included in Section 4, <i>Professional Personnel</i>.</p>	<p>h. Other Experience And Qualifications Relevant To The Proposed Project. (Identify Firm By Which Employed, If Not Current Firm): Please refer to Section 1, <i>Team Organization</i>, for a brief description. A complete resume is included in Section 4, <i>Professional Personnel</i>.</p>	<p>h. Other Experience And Qualifications Relevant To The Proposed Project. (Identify Firm By Which Employed, If Not Current Firm): Please refer to Section 1, <i>Team Organization</i>, for a brief description. A complete resume is included in Section 4, <i>Professional Personnel</i>.</p>

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<p>a. Name And Title Within Firm: Robert G. Tedeschi, PE, BCEE, LEED®AP</p>	<p>a. Name And Title Within Firm:</p>
<p>b. Project Assignment: Site design</p>	<p>b. Project Assignment:</p>
<p>c. Name And Address Of Office In Which Individual Identified In 7a Resides: Weston & Sampson 273 Dividend Road Rocky Hill, CT 06067</p> <p style="text-align: right;">MBE <input type="checkbox"/> WBE <input type="checkbox"/></p>	<p>c. Name And Address Of Office In Which Individual Identified In 7a Resides: Weston & Sampson®</p> <p style="text-align: right;">MBE <input type="checkbox"/> WBE <input type="checkbox"/></p>
<p>d. Years Experience: With This Firm: <u> 1 </u> With Other Firms: <u> 30 </u></p>	<p>d. Years Experience: With This Firm: _____ With Other Firms: _____</p>
<p>e. Education: Degree(s) / Year/Specialization 1995 / Master of Science / Civil Engineering 1985 / Bachelor of Science / Environmental Engineering</p>	<p>e. Education: Degree(s) / Year/Specialization</p>
<p>f. Active Registration: Year First Registered/Discipline/Mass Registration Number Professional Engineer / Massachusetts # 46598</p>	<p>f. Active Registration: Year First Registered/Discipline/Mass Registration Number</p>
<p>g. Current Work Assignments And Availability For This Project: To be determined based on assignment.</p>	<p>g. Current Work Assignments And Availability For This Project:</p>
<p>h. Other Experience And Qualifications Relevant To The Proposed Project (Identify Firm By Which Employed, If Not Current Firm): Please refer to Section 1, <i>Team Organization</i>, for a brief description. A complete resume is included in Section 4, <i>Professional Personnel</i>.</p>	<p>h. Other Experience And Qualifications Relevant To The Proposed Project (Identify Firm By Which Employed, If Not Current Firm):</p>

a.	b. Brief Description Of Project And Services (Include Reference To Relevant Experience)	c. Client's Name, Address And Phone Number (Include Name Of Contact Person)	d. Completion Date (Actual Or Estimated)	e. Project Cost (In Thousands) Construction Costs (Actual, Or Estimated If Not Completed)	Fee for Work for Which Firm Was Responsible
(1)	<p>Weston & Sampson®</p> <p>Provided multiple site assessment for six sites in Springfield, Massachusetts. Funded through an EPA Brownfields Grant, projects included site prioritization, community outreach, QAPP, Phase I and II ESAs, and Massachusetts DEP regulatory overlay.</p>	<p>Brian Connors Deputy Director of Economic Development 70 Tapley Street Springfield, MA 01104 413-787-6020</p>	Ongoing	N/A	\$175
(2)	<p>Provide annual O&M services for the Town's closed landfill and transfer station. Prior to the post-closure monitoring, Weston & Sampson conducted landfill closure project tasks including design, permitting, and construction management of an impermeable cap and associated drainage and erosion control appurtenances for the landfill. Design and construction of the solid waste transfer station included new scales and scale house, separate commercial and public waste drop-off areas, a recycling center, and a swap area.</p> 	<p>Paul Tomkavage, PE Project Manager Marshfield DPW 870 Moraine Street Marshfield, MA 02050 781-834-5560</p>	Ongoing	N/A	\$900
(3)	<p>Evaluation of drainage characteristics of the watershed for the Woodland Dell drainage system. Design of drainage improvements to alleviate pipe clogging and resulting flood conditions. Project funded under FEMA/MEMA Flood Hazard Mitigation Grant</p> 	<p>Dena Grochmal Engineering Assistant 240 Springfield St. Wilbraham, MA 01095 413-596-2800</p>	Design completed 2012 - Construction 2014	Est. \$280	\$55
(4)	<p>Programming/feasibility study and design of an upgraded 56,000 sf consolidated Department of Public Works (DPW) facility. Project included programming, building alternatives development, sustainable design features, comparative costs analysis, town meeting presentation, final design services, project phasing/temporary relocation to maintain work, bid phase services, and construction phase services.</p> 	<p>Mark Ryan DPW Director 566 Washington Street Norwood, MA 781-762-1413</p>	Design - 2013 Construction - 2015	\$14,700	\$1,480

<p>(5) Ashmun Street, Dale Avenue, Morris Street and Marble Street Roadway Improvements Town of Springfield, MA Christopher B. Westler, PE</p>	<p>Project involved connecting two dead end streets in order to create one continuous road. Specific components of the project which Weston & Sampson completed include field survey, preliminary layout of roadway and utilities, soil analysis, coordination with the City of Springfield and Western Mass Electric Company (WMECO) and roadway design.</p> 	<p>Christopher Cignoli DPW Director 70 Tapley Street Springfield, MA 01104 413-750-2808</p>	<p>Design - 2015 Construction - pending</p>	<p>Estimated - \$1,200</p>	<p>\$97</p>
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List All Projects Within The Past 5 Years For Which Prime Applicant Has Performed, Or Has Entered Into A Contract To Perform, Any Design Services For All Public Agencies Within The Commonwealth.

# of Total Projects: 112		# of Active Projects: 26		Total Consulting Fees of Projects: \$13,44M (As a consultant, the majority of our work is study, design, and construction administration.)		
Role P, C, JV, *	Phases St., Sch., D.D., C.D., A.C. *	Project Name, Location and Principal-in-Charge:	Awarding Authority (Include Contact Name and Phone Number)	Construction Costs (In Thousands) (Actual, Or Estimated if Not Completed)	Completion Date (Actual or Estimated) (R)Renovation or (N)New	
P	ST	1. MA DPH-Wilmington Olin Chemical Site Prasanta K. Bhunia	Massachusetts Department of Public Health 250 Washington Street 7th Floor Boston, Massachusetts 02108-4619 Ms. Martha Steele (617) 624-5757	\$12	Ongoing	
P	ST	2. MA DPH-Environmental Consulting ANL and PCK Sampling Prasanta K. Bhunia	Massachusetts Department of Public Health 250 Washington Street 7th Floor Boston, Massachusetts 02108-4619 Ms. Martha Steele (617) 624-5757	\$18	10/02/2009	
P	ST	3. MA DPH-Consumer Product Analysis Prasanta K. Bhunia	Massachusetts Department of Public Health 250 Washington Street 7th Floor Boston, Massachusetts 02108-4619 Mr. Obiri Asamoah (617) 624-5757	\$11	2/1/2011	
P	ST	4. DPH-Rink Indoor Air Quality Inspections	Massachusetts Department of Public Health 250 Washington Street 7th Floor Boston, Massachusetts 02108-4619 Mr. Steven Hughes (617) 624-5757	\$15	Ongoing	
P	St., Sch., D.D., C.D.	5. DOC-MCI Norfolk SCADA Well 4A Design and Construction Barbara K. Cook	Commonwealth of Massachusetts Division Of Resource Management 21 Needham Street Norfolk, Massachusetts 02056 Ms. Ellen Jacobs (508) 541-5301	\$60	Ongoing	
P	St., Sch., D.D.	6. DOC-MCI Bridgewater Water Tanks & Distribution System Upgrades Barbara K. Cook	Commonwealth of Massachusetts Division Of Resource Management 21 Needham Street Norfolk, Massachusetts 02056 Mr. Paul Hession (508) 541-5301	\$51	Ongoing	
P	ST	7. DOC-MCI Bridgewater Water Tanks Third Party Inspection Barbara K. Cook	Commonwealth of Massachusetts Division Of Resource Management 21 Needham Street Norfolk, Massachusetts 02056 Mr. Paul Hession (508) 541-5301	\$66	2/22/2013	

P	ST	8.	DOC-MCI Norfolk Consulting Bruce W. Adams	Commonwealth of Massachusetts Division Of Resource Management 21 Needham Street Norfolk, Massachusetts 02056 Mr. Andrew Bakowski (508) 541-5301	\$12	1/3/2011
P	ST	9.	DOC MCI-Cedar Junction Water Storage Tank Inspection & Repair Barbara K. Cook	Commonwealth of Massachusetts Division Of Resource Management 21 Needham Street Norfolk, Massachusetts 02056 Mr. Andrew Bakowski (508) 541-5301	\$5.4	7/5/2011
P	ST	10.	DOC-MCI Concord IDDE Assistance Kent M. Nichols	Commonwealth of Massachusetts Department of Correction Division of Resource Management 431 Commonwealth Avenue Concord, Massachusetts 01742 Ms. Margaret Bacon (978) 369-8899 Ext. 10	\$1.5	11/29/2010
P	ST	11.	DOC-MCI Norfolk Water Supply and Distribution Evaluation Barbara K. Cook	Commonwealth of Massachusetts Department of Correction Division of Resource Management 431 Commonwealth Avenue Concord, Massachusetts 01742 Ms. Margaret Bacon (978) 369-8899 Ext. 10	\$12	5/29/2012
P	ST	12.	DOC-MCI Norfolk Well # 4 Design Barbara K. Cook	Commonwealth of Massachusetts Department of Correction Division of Resource Management 431 Commonwealth Avenue Concord, Massachusetts 01742 Ms. Margaret Bacon (978) 369-8899 Ext. 10	\$290	5/24/2013
P	St., Sch., D.D., C.D.,A.C.	13.	DMR – Wrentham Wastewater Treatment Plant Design Kent M. Nichols	Department of Developmental Services 500 Harrison Avenue Engineering Office, Room 163 Boston, Massachusetts 02118 Ms. Shelia O'Brien (617) 624-7887	\$173	12/27/2011
P	ST	14.	DDS – Hogan Regional Center SPCC Plan Eugene R. Bolinger	Department of Developmental Services Hogan Regional Center Attn: Business Office P.O. Box A Hathorne, Massachusetts 01937 Ms. Cathy Hurstly (978) 774-5000	\$4	10/28/2011
P	C.D.,A.C.	15.	DCR Cambridge Street Construction Services Francis W. Yanuskewicz	Department of Conservation & Recreation 180 Beaman Street West Boylston, Massachusetts 01583 Ms. Paula Davidson (508) 792-7423	\$207	6/17/2013

P	St., Sch., D.D.	16.	DCR-Horseneck Beach Traffic Signage Eugene R. Bolinger	Department of Conservation & Recreation 180 Beaman Street West Boylston, Massachusetts 01583 Mr. Dan Mortell (508) 792-7423x218	\$97	11/28/2011
P	St., Sch., D.D.	17.	DCR-Dam Maintenance Patrick J. Connelly	Department of Conservation & Recreation 251 Causeway Street, 7th floor Boston, Massachusetts 02114-2119	\$66	12/16/2009
P	ST	18.	DCR-ANSI Compliance Eugene R. Bolinger	Department of Conservation & Recreation 251 Causeway Street, 7th floor Boston, Massachusetts 02114-2119 Ms. Ruth Adams-Teixeira (617) 626-1357	\$129	9/23/2009
P	St., Sch., D.D., C.D.,A.C.	19.	DCR-Thompson Pool Construction Administration Eugene R. Bolinger	Department of Conservation & Recreation 251 Causeway Street, 7th floor Boston, Massachusetts 02114-2119 Ms. Judy O'Kula (617) 626-1230	\$65	12/15/2009
P	St., Sch., D.D.	20.	DCR Waltham Pool Building Demolition Eugene R. Bolinger	Department of Conservation & Recreation 695 Hillside Street Milton, Massachusetts 02186 Mr. Brian Haak (617) 719-5476	\$53	10/21/2009
P	St., Sch., D.D.	21.	DCR Waltham Building Demolition Eugene R. Bolinger	Department of Conservation & Recreation 695 Hillside Street Milton, Massachusetts 02186 Mr. Raul Silva (617) 626-1250	\$22	12/16/2009
P	D.D., C.D.,A.C	22.	Freetown State Forest Wading Pool Construction Services Eugene R. Bolinger	Department of Conservation & Recreation 251 Causeway Street Suite 600-700 Boston, Massachusetts 02114-2104 Mr. Paul Botelho (617) 626-1340	\$36	6/30/2010
P	C.D.,A.C	23.	DCR Newton Square Construction Services Francis W. Yanusklewicz	Department of Conservation & Recreation 251 Causeway Street Suite 600-700 Boston, Massachusetts 02114-2104 Mr. Robert Antico (617) 973-8072	\$370	5/20/2013
P	St., Sch., D.D., C.D.,A.C.	24.	DCR Pool Shell Modifications -Freetown State Forest Wading Pool Eugene R. Bolinger	Department of Conservation & Recreation 251 Causeway Street Suite 600-700 Boston, Massachusetts 02114-2104 Mr. Brian Haak (617) 719-5476	\$51	7/27/2009
P	St., Sch., D.D.	25.	DCR Pool Shell Modifications -Reilly and McCrehan Pools Eugene R. Bolinger	Department of Conservation & Recreation 695 Hillside Street Milton, Massachusetts 02186 Mr. Brian Haak (617) 719-5476	\$175	1/23/2013

P	St., Sch., D.D.	26.	DCR Bennett Field Eugene R. Bolinger	Department of Conservation & Recreation 251 Causeway Street, 7th floor Boston, Massachusetts 02114-2119 Mr. Rick Nikitias (617) 626-1230	\$148	4/27/2011
P	St., Sch., D.D., C.D.,A.C.	27.	DCR- Shine Pool Construction Administration Eugene R. Bolinger	Department of Conservation & Recreation 251 Causeway Street, 7th floor Boston, Massachusetts 02114-2119 Mr. Rick Nikitias (617) 626-1230	\$47	12/15/2009
P	ST	28.	DCR-Construction Administration Shine Pool Building Eugene R. Bolinger	Department of Conservation & Recreation 251 Causeway Street, 7th floor Boston, Massachusetts 02114-2119 Mr. Rick Nikitias (617) 626-1230	\$18	10/27/2009
P	St., Sch., D.D., C.D.,A.C.	29.	DCR-Webster Square Pool Construction Administration Eugene R. Bolinger	Department of Conservation & Recreation 251 Causeway Street, 7th floor Boston, Massachusetts 02114-2119 Mr. Rick Nikitias (617) 626-1230	\$60	2/28/2011
P	C.D.,A.C.	30.	DCR Cambridge Street Construction Services Francis W. Yanuskiewicz	Department of Conservation & Recreation 251 Causeway Street, 7th floor Boston, Massachusetts 02114-2119 Mr. Robert Lowell (617) 6261340	\$212	6/18/2013
P	St., Sch., D.D.	31.	DCR Cambridge Boathouse Sewer Upgrades Francis W. Yanuskiewicz	Department of Conservation & Recreation 251 Causeway Street, 7th floor Boston, Massachusetts 02114-2119 Mr. Robert Lowell (617) 6261340	\$63	6/17/2013
P	St., Sch., D.D.	32.	DCR-Park/Pleasant Hydraulic Capacity Analysis Donald G. Gallucci	Department of Conservation & Recreation 251 Causeway Street, 7th floor Boston, Massachusetts 02114-2119 Mr. Robert Lowell (617) 6261340	\$107	4/22/2013
P	C.D.,A.C.	33.	DCR-Newton Square Construction Donald G. Gallucci	Department of Conservation & Recreation 251 Causeway Street, 7th floor Boston, Massachusetts 02114-2119 Mr. Robert Lowell (617) 6261340	\$174	5/20/2013
P	ST	34.	DCR-Canton Airport Environmental Monitoring Prasanta K. Bhunia	Department of Conservation & Recreation 251 Causeway Street, 7th floor Boston, Massachusetts 02114-2119 Ms. Ruth Helfeld (617) 626-1375	\$117	Ongoing
P	ST	35.	DCR-DPH Coordination of State Pools Eugene R. Bolinger	Department of Conservation & Recreation 251 Causeway Street, 7th floor Boston, Massachusetts 02114-2119 Ms. Ruth Adams-Teixeira (617) 626-1357	\$13	1/27/2012

P	St., Sch., D.D., C.D., A.C.	36.	DCR-Vortex Cover Assessment & Replacement At Wading Pools Eugene R. Bolinger	Department of Conservation & Recreation 251 Causeway Street, 7th floor Boston, Massachusetts 02114-2119 Ms. Ruth Adams-Teixeira (617) 626-1357	426	8/27/2012
P	ST	37.	DCR-Park Avenue – Pleasant Street Hydraulic Capacity Analysis Donald G. Gallucci	Department of Conservation & Recreation 251 Causeway Street, 7th floor Boston, Massachusetts 02114-2119 Mr. Robert Lowell (617) 6261340	\$109	Ongoing
P	ST	38.	DCAM-Salem Ruane Judicial Center Prasanta K. Bhunia	Division of Capital Asset Management One Ashburton Place, 15th Floor Boston, Massachusetts 02108 (617) 727-4050	\$65	1/23/2009
P	St., Sch., D.D.	39.	DCAM-Tewksbury Hospital Demolition Prasanta K. Bhunia	Division of Capital Asset Management One Ashburton Place, 15th Floor Boston, Massachusetts 02108 (617) 727-4050	\$133	1/24/2011
P	St., Sch., D.D.	40.	DCAM-UJMASS Lowell West Chelmsford Campus Prasanta K. Bhunia	Division of Capital Asset Management One Ashburton Place, 15th Floor Boston, Massachusetts 02108 (617) 727-4050	\$95	Ongoing
P	ST	41.	DCAM-Salisbury Choice Housing Prasanta K. Bhunia	Division of Capital Asset Management One Ashburton Place, 15th Floor Boston, Massachusetts 02108 (617) 727-4050	\$31	3/1/2011
P	ST	42.	DCAM-Wesborough State Hospital Prasanta K. Bhunia	Division of Capital Asset Management One Ashburton Place, 15th Floor Boston, Massachusetts 02108 (617) 727-4050	\$192	3/1/2011
P	ST	43.	DCAM- Salisbury Choice Housing Wetlands Prasanta K. Bhunia	Division of Capital Asset Management One Ashburton Place, 15th Floor Boston, Massachusetts 02108 (617) 727-4050	\$9	1/29/2010
P	ST	44.	DCAM Grant Application Plymouth Sherriff Wind Michael J. Scipione	Division of Capital Asset Management One Ashburton Place, 15th Floor Boston, Massachusetts 02108 (617) 727-4050	\$6	4/28/2010
P	St., Sch., D.D.	45.	DCAM-Medfield State Hospital Prasanta K. Bhunia	Division of Capital Asset Management One Ashburton Place, 15th Floor Boston, Massachusetts 02108 (617) 727-4050	\$150	2/23/2010

P	ST	46.	DCAM-Medfield MEPA Prasanta K. Bhunia	Division of Capital Asset Management One Ashburton Place, 15th Floor Boston, Massachusetts 02108 (617) 727-4050	\$40	4/29/2010
P	ST	47.	DCAM-Wind Site Screening Michael J. Scipione	Division of Capital Asset Management One Ashburton Place, 15th Floor Boston, Massachusetts 02108 (617) 727-4050	\$22.5	10/4/2010
P	ST	48.	DCAM UMASS-Dartmouth Feasibility Study Francis M. Ricciardi	Division of Capital Asset Management One Ashburton Place, 15th Floor Boston, Massachusetts 02108 Mr. Michael Reinhardt (617) 727-4050	\$123	Ongoing
P	St, Sch., D.D., C.D.,A.C.	49.	DCAM-Medfield State Hospital Francis M. Ricciardi	Division of Capital Asset Management One Ashburton Place, 15th Floor Boston, Massachusetts 02108 (617) 727-4050	\$2000	Ongoing
P	ST	50.	DCAM-MCI Norfolk WWTF Screening Review Kent M. Nichols	Division of Capital Asset Management One Ashburton Place, 15th Floor Boston, Massachusetts 02108 Mr. George Matthews (617) 727-4030 (617) 727-4030	\$30	Ongoing
P	St, Sch., D.D.	51.	DCAM-CCC Campus Wide Sewage Disposal Upgrade Kent M. Nichols	Division of Capital Asset Management One Ashburton Place, 15th Floor Boston, Massachusetts 02108 (617) 727-4050	\$134	Ongoing
P	ST	52.	DCAM-North Shore C.C. Fire Sprinkler System Corrosion Issues Barbara K. Cook	Division of Capital Asset Management One Ashburton Place, 15th Floor Boston, Massachusetts 02108 (617) 727-4050	\$10	5/24/2013
P	ST	53.	Massachusetts Development Finance Agency -Buena Vista & Grant Road Sampling Michael J. Scipione	Massachusetts Development Finance Agency Engineering 33 Andrews Parkway Devens, Massachusetts 01434 Mr. Alan Delaney, PE (978) 784-2926	\$10	3/29/2010
P	ST	54.	MassDEP -Solid Waste Review for the City of Taunton Prasanta K. Bhunia	Massachusetts Department of Environmental Protection One Winter Street 5th Floor Boston, Massachusetts 02108 Mr. Greg Cooper (617) 292-5988	\$25	10/31/2011

P	C.D., A.C.	35. MASS DEP-O&M Groveland Prasanta K. Bhunia	Massachusetts Department of Environmental Protection One Winter Street 5th Floor Boston, Massachusetts 02108 Ms. Janet Waldren (617) 292-5988	\$734	Ongoing
P	ST	56. MassDEP DWINSA Patrick J. Connelly	Massachusetts Department of Environmental Protection One Winter Street 5th Floor Boston, Massachusetts 02108 Mr. Patrick Rogers (617) 292-5658	\$25	Ongoing
P	ST	57. MassDEP -SARSS Salem Universal Steel Prasanta K. Bhunia	Massachusetts Department of Environmental Protection One Winter Street 5th Floor Boston, Massachusetts 02108 Ms. Karen O'Sullivan (617) 557-7343	\$92	8/27/2012
P	ST	58. MassDEP -SARSS Gloucester Phase II Prasanta K. Bhunia	Massachusetts Department of Environmental Protection One Winter Street 5th Floor Boston, Massachusetts 02108 Ms. Karen O'Sullivan (617) 557-7343	\$4	8/3/2010
P	ST	59. MassDEP -SARSS V 2013 Former Universal Steel Salem Francis M. Ricciardi	Massachusetts Department of Environmental Protection One Winter Street 5th Floor Boston, Massachusetts 02108 Ms. Valerie Thompson (617) 292-5658	\$42	Ongoing
P	ST	60. MassDEP 2011 DWINSA Barbara K. Cook	Massachusetts Department of Environmental Protection One Winter Street 5th Floor Boston, Massachusetts 02108 Mr. Patrick Rogers (617) 292-5658	\$33	1/3/2012
P	ST	6. MassDEP Clean Watersheds Needs Survey Multiple Sites Throughout the Commonwealth Kent M. Nichols	Massachusetts Department of Environmental Protection One Winter Street 5th Floor Boston, Massachusetts 02108 Mr. Patrick Rogers (617) 292-5658	\$34.5	2012-2013
P	ST	62. MASS DOER Energy Audits Francis M. Ricciardi	Massachusetts Department of Energy Resources 100 Cambridge Street, Suite 1020 Boston, Massachusetts 02114 Ms. Amie Powelka (617) 626-7356	\$112	4/28/2013
P	St., Sch., D.D.	63. MA DOT-Pedestrian Bridge -Colony Avenue, Boston 16-381 Eugene R. Bolinger	Massachusetts Department of Transportation (MassDOT) PRC Section Room 6340 Ten Park Plaza Boston, MA 02116 Mr. Robert Antico (617) 973-8072	\$240	Ongoing

P	St., Sch., D.D., C.D.,A.C.	64.	MA DOT-Spectacle Island West Beach Repair Prasanta K. Bhunia	Massachusetts Department of Transportation (MassDOT) Highway Division Ten Park Plaza Room 4260 Boston, MA 02116-3969 Mr. James Carbone (857) 368-8792	\$301	11/29/2010
P	St., Sch., D.D., C.D.,A.C.	65.	MA DOT-Howley Street Peabody Over North River Bridge #P-03-013 Eugene R. Bolinger	Massachusetts Department of Transportation (MassDOT) PRC Section Room 6340 Ten Park Plaza Boston, MA 02116 Mr. Matt Hopkinson (617) 973-7000	\$447	Ongoing
P	St., Sch., D.D., C.D.,A.C.	66.	MA DOT-Princeton Bald Hill Road Over Wachusett Brook #P-16-003 LOAD RATING Eugene R. Bolinger	Massachusetts Department of Transportation (MassDOT) PRC Section Room 6340 Ten Park Plaza Boston, MA 02116 Mr. Brian Clang (617) 973-7000	\$111	5/17/2013
P	St., Sch., D.D., C.D.,A.C.	67.	MA DOT-Pump Stations 1, 2 AND 4 Donald D. Gallucci	Massachusetts Department of Transportation (MassDOT) PRC Section Room 6340 Ten Park Plaza Boston, MA 02116 Mr. Michael Papadopoulos (617) 973-7000	\$307	Ongoing
P	ST	68.	MA DOT-Tunnel Flow Metering Study Prasanta K. Bhunia	Massachusetts Department of Transportation (MassDOT) Highway Division Ten Park Plaza Room 4260 Boston, MA 02116-3969 Mr. Rick McCullough	\$16	Ongoing
P	ST	69.	MA DOT-Vehicle Water Phase I Conceptual Design Prasanta K. Bhunia	Massachusetts Department of Transportation (MassDOT) District 6, Accounts Payable 185 Kneeland Street, 10th Floor Boston, Massachusetts 02111	\$37	Ongoing
P	ST	70.	MA DOT-Hyde Brook Culvert IRA #67481#13 Prasanta K. Bhunia	Massachusetts Department of Transportation (MassDOT) Highway Division Ten Park Plaza #4260 Boston, Massachusetts 02116-3969 Ms. Katherin McArthur (617) 973-7529	\$108	Ongoing
P	ST	71.	MA DOT-Weston Class C RAO & Post-RAO Monitoring #67481#1 Prasanta K. Bhunia	Massachusetts Department of Transportation (MassDOT) Highway Division Ten Park Plaza #4260 Boston, Massachusetts 02116-3969 Ms. Katherin McArthur (617) 973-7529	\$106	Ongoing
P	ST	72.	MA DOT-Hanover Facility Initial IRA #67481#2 Prasanta K. Bhunia	Massachusetts Department of Transportation (MassDOT) Highway Division Ten Park Plaza #4260 Boston, Massachusetts 02116-3969 Ms. Katherin McArthur (617) 973-7529	\$53	8/27/2012

P	ST	73. MA DOT—Springfield Birnie Ave #14 Preliminary Soil Assessment Prasanta K. Bhunia	Massachusetts Department of Transportation (MassDOT) Highway Division Ten Park Plaza #4260 Boston, Massachusetts 02116-3969 Ms. Katherin McArthur (617) 973-7529	\$5	Ongoing
P	ST	74. MA DOT-Millers River Wetlands #67481#3 Prasanta K. Bhunia	Massachusetts Department of Transportation (MassDOT) Highway Division Ten Park Plaza #4260 Boston, Massachusetts 02116-3969 Ms. Katherin McArthur (617) 973-7529	\$26	Ongoing
P	ST	75. MA DOT-CAIT Flow Meter Inspection #67481#4 Prasanta K. Bhunia	Massachusetts Department of Transportation (MassDOT) Highway Division Ten Park Plaza #4260 Boston, Massachusetts 02116-3969 Ms. Katherin McArthur (617) 973-7529	\$9	1/28/2013
P	ST	76. MA DOT-CAIT Review of Treatment Technologies #67481 #5 Prasanta K. Bhunia	Massachusetts Department of Transportation (MassDOT) Highway Division Ten Park Plaza #4260 Boston, Massachusetts 02116-3969 Ms. Katherin McArthur (617) 973-7529	\$39	1/28/2013
P	ST	77. MA DOT-Alternative Analysis for LPPS #12 #67481#8 Prasanta K. Bhunia	Massachusetts Department of Transportation (MassDOT) Highway Division Ten Park Plaza #4260 Boston, Massachusetts 02116-3969 Ms. Katherin McArthur (617) 973-7529	\$25	1/28/2013
P	ST	78. MA DOT-Warren Facility Preliminary Analysis #67481#7 Prasanta K. Bhunia	Massachusetts Department of Transportation (MassDOT) Highway Division Ten Park Plaza #4260 Boston, Massachusetts 02116-3969 Ms. Katherin McArthur (617) 973-7529	\$6	4/30/2012
P	ST	79. MA DOT-Plenum Water Supply Characterization #67481#9 Prasanta K. Bhunia	Massachusetts Department of Transportation (MassDOT) Highway Division Ten Park Plaza #4260 Boston, Massachusetts 02116-3969 Ms. Katherin McArthur (617) 973-7529	\$32	8/27/2012
P	ST	80. MA DOT-Hyde Brook Culvert Post RAO Monitoring #67481#10 Prasanta K. Bhunia	Massachusetts Department of Transportation (MassDOT) Highway Division Ten Park Plaza #4260 Boston, Massachusetts 02116-3969 Ms. Katherin McArthur (617) 973-7529	\$20	8/27/2012
P	ST	81. MA DOT-Pittsfield Response to EPA/DEP Comments #67481#6 Prasanta K. Bhunia	Massachusetts Department of Transportation (MassDOT) Highway Division Ten Park Plaza #4260 Boston, Massachusetts 02116-3969 Ms. Katherin McArthur (617) 973-7529	\$70	6/20/2013

P	ST	82.	MA DOT- Beacon Park Yard Class C RAO Monitoring #67481#11 Prasanta K. Bhunia	Massachusetts Department of Transportation (MassDOT) Highway Division Ten Park Plaza #4260 Boston, Massachusetts 02116-3969 Ms. Katherin McArthur (617) 973-7529	\$19	Ongoing
P	ST	83.	MA DOT- Miscellaneous Services #67481#12 Prasanta K. Bhunia	Massachusetts Department of Transportation (MassDOT) Highway Division Ten Park Plaza #4260 Boston, Massachusetts 02116-3969 Ms. Katherin McArthur (617) 973-7529	\$5	6/20/2013
P	ST	84.	MA DOT-Professional Services Agreement Prasanta K. Bhunia	Massachusetts Department of Transportation (MassDOT) Highway Division Ten Park Plaza Room 4260 Boston, Massachusetts 02116-3969	\$30	5/1/2012
P	ST	85.	MA DOT-Work Order #3 Tunnel Bypass Prasanta K. Bhunia	Massachusetts Department of Transportation (MassDOT) Highway Division Ten Park Plaza Room 4260 Boston, Massachusetts 02116-3969	\$149	8/27/2012
P	ST	86.	MA DOT-Work Order #- 21E Sites Prasanta K. Bhunia	Massachusetts Department of Transportation (MassDOT) Highway Division Ten Park Plaza Room 4260 Boston, Massachusetts 02116-3969	\$102	8/27/2012
P	ST	87.	MA DOT-Work Order #5 Blandford Wind Francis M. Ricciardi	Massachusetts Department of Transportation (MassDOT) Highway Division Ten Park Plaza Room 4260 Boston, Massachusetts 02116-3969	\$24	1/30/2012
P	ST	88.	MA DOT-Work Order #6 CDM Subconsultant Prasanta K. Bhunia	Massachusetts Department of Transportation (MassDOT) Highway Division Ten Park Plaza Room 4260 Boston, Massachusetts 02116-3969	\$17	5/2/2011
P	ST	89.	MHD Newbury Circle URAM Prasanta K. Bhunia	Massachusetts Highway Department 10 Park Plaza Enviro Div Room # 4260 Boston, Massachusetts 02116 Mr. David White (857) 368-4636	\$8.2	6/12/2009
P	ST	90.	MHD Littleton Assignment # 11 Prasanta K. Bhunia	Massachusetts Highway Department 10 Park Plaza Enviro Div Room # 4260 Boston, Massachusetts 02116 Mr. David White (857) 368-4636	\$3.1	5/11/2009
P	ST	692.	MHD Pittsfield East Street Information Review Prasanta K. Bhunia	Massachusetts Highway Department 10 Park Plaza Enviro Div Room # 4260 Boston, Massachusetts 02116 Mr. David White (857) 368-4636	\$19.6	8/14/2009

P	ST	93.	MHD Pittsfield Groundwater Monitoring Prasanta K. Bhunia	Massachusetts Highway Department 10 Park Plaza Enviro Div Room # 4260 Boston, Massachusetts 02116 Mr. David White (857) 368-4636	\$4.3	8/14/2009
P	ST	94.	Massport East Boston/Chelsea Bypass Road Environmental Services Prasanta K. Bhunia	Massachusetts Port Authority One Harborside Drive East Boston, Massachusetts 02128 Mr. James Stolecki (617) 568-3552	\$67	5/1/2013
P	ST	95.	Massachusetts Turnpike Authority Work Order #2 Millers River Prasanta K. Bhunia	Massachusetts Turnpike Authority John T. Driscoll Building 668 South Avenue Weston, Massachusetts 02193 Mr. Rick McCullough	\$23	2/23/2010
P	ST	96.	MassDevelopment Grant Road Sol Sampling Michael J. Scipione	MassDevelopment 33 Andrews Parkway Devens, Massachusetts 01434 Mr. Alan Delaney (978) 784-2917	\$58	3/29/2010
P	ST	97.	MassDevelopment Salerno Housing Environmental Services Francis M. Ricciardi	MassDevelopment 33 Andrews Parkway Devens, Massachusetts 01434 Mr. Alan Delaney (978) 784-2917	\$6	Ongoing
P	ST	98.	MassDevelopment Test Pit Foundation Sampling Francis M. Ricciardi	MassDevelopment 33 Andrews Parkway Devens, Massachusetts 01434 Mr. Alan Delaney (978) 784-2917	\$12	1/28/2013
P	ST	99.	MassDevelopment Taunton Power Plant Phase II Environmental Site Assessment Francis M. Ricciardi	MassDevelopment 33 Andrews Parkway Devens, Massachusetts 01434 Mr. Alan Delaney (978) 784-2917	\$28	4/28/2013
P	ST	100.	MassDevelopment Taunton Hazardous Materials Investigation Francis M. Ricciardi	MassDevelopment 33 Andrews Parkway Devens, Massachusetts 01434 Mr. Alan Delaney (978) 784-2917	\$5.5	7/26/2012
P	ST	101.	MassDevelopment Taunton Abatement and Demo Services of Former Residences Francis M. Ricciardi	MassDevelopment 33 Andrews Parkway Devens, Massachusetts 01434 Mr. Alan Delaney (978) 784-2917	\$9	1/31/2013
P	ST	102.	MassDevelopment Taunton Power Plant Phase II Environmental Site Assessment Francis M. Ricciardi	MassDevelopment 33 Andrews Parkway Devens, Massachusetts 01434 Mr. Alan Delaney (978) 784-2917	\$28	4/28/2013

P	St., Sch., D.D., C.D.	103.	MassDevelopment Taunton Zone3 and Zone 4 Demolition Francis M. Ricciardi	MassDevelopment 33 Andrews Parkway Devens, Massachusetts 01434 Mr. Alan Delaney (978) 784-2917	\$250	Ongoing
P	ST	104.	MassDevelopment Taunton Power Plan LSP Services and Cost Estimate Francis M. Ricciardi	MassDevelopment 33 Andrews Parkway Devens, Massachusetts 01434 Mr. Alan Delaney (978) 784-2917	\$16	10/29/2012
P	St., Sch., D.D.	105.	MassDevelopment Chapel (Building #7) Demolition Francis M. Ricciardi	MassDevelopment 33 Andrews Parkway Devens, Massachusetts 01434 Mr. Alan Delaney (978) 784-2917	\$71	7/26/2012
P	ST	106.	MassDevelopment Mastic Removal Pilot Study Prasanta K. Bhunia	MassDevelopment 33 Andrews Parkway Devens, Massachusetts 01434 Mr. Alan Delaney (978) 784-2917	\$6	2/27/2012
P	ST	107.	MassDevelopment Housing Foundation Removal Prasanta K. Bhunia	MassDevelopment 33 Andrews Parkway Devens, Massachusetts 01434 Mr. Alan Delaney (978) 784-2917	\$8	2/27/2012
P	ST	108.	MassDevelopment Dever State School Building Prasanta K. Bhunia	MassDevelopment 33 Andrews Parkway Devens, Massachusetts 01434 Mr. Alan Delaney (978) 784-2917	\$37	8/27/2012
P	ST	109.	MassDevelopment MacPherson Well Pump Station Prasanta K. Bhunia	MassDevelopment 33 Andrews Parkway Devens, Massachusetts 01434 Mr. Mark Cohen (978) 772-6340	\$3.8	3/29/2010
P	ST	110.	MWRA Deer Island Smoke Testing Donald G. Gallucci	Massachusetts Water Resources Authority First Avenue, Building 39, 2nd Floor Charlestown, Massachusetts 02129 Mr. Ted Otis (617) 788-2531	\$12	1/19/2009
P	St., Sch., D.D., C.D.	111.	MWRA Phase I Dam Inspections 2008 Patrick J. Connelly	Massachusetts Water Resources Authority First Avenue, Building 39, 2nd Floor Charlestown, Massachusetts 02129 Mr. John Gregiore (508) 424-3608	\$121	2/23/2009
P	St., Sch., D.D., C.D.	112.	MWRA Shaft 7 TO WASM 3 Connecting Mains Patrick J. Connelly	Massachusetts Water Resources Authority First Avenue, Building 39, 2nd Floor Charlestown, Massachusetts 02129 Mr. Michael Brown (617) 305.5450	\$1,375	4/15/2009

* P = Principal; C = Consultant; JV = Joint Venture; St. = Study; Sch. = Schematic; D.D. = Design Development; C.D. = Construction Documents; A.C. = Administration of Contract

10. Use This Space To Provide Any Additional Information Or Description Of Resources Supporting The Qualifications Of Your Firm And That Of Your Sub-Consultants For The Proposed Project. If Needed, Up To Three, Double-Sided 8 1/2" X 11" Supplementary Sheets Will Be Accepted. **APPLICANTS ARE ENCOURAGED TO RESPOND SPECIFICALLY IN THIS SECTION TO THE AREAS OF EXPERIENCE REQUESTED IN THE ADVERTISEMENT.**

Please refer to the previous sections of our submittal for additional information regarding Weston & Sampson's qualifications and capabilities to support this project.

11. Professional Liability Insurance:
 Name of Company: **Lexington Insurance Company** Aggregate Amount: **\$3,000,000** Expiration Date: **7/3/2016**
 Policy Number: **031710990**
 Starr Indemnity & Liability Co. **\$9,000,000 (umbrella)** **1000021472** Expiration Date: **1/1/2016**

12. Have monies been paid by you, or on your behalf, as a result of Professional Liability Claims (in any jurisdiction) occurring within the last 5 years and in excess of \$50,000 per incident? Answer **YES** or **NO**. If **YES**, please include the name(s) of the Project(s) and Client(s), and an explanation (attach separate sheet if necessary).
Yes. In July 2015, a settlement was reached with Allianz Corp, insurer for Warren Corp., in Stafford Springs, CT, re: an incident in Oct. 2011. A headrace crossing a street began leaking following a contractor's excavation for a storm drain designed by Weston & Sampson. The contractor received approval to repair the leak, but was unsuccessful, and water entered the basement of the nearby Warren Corp., causing damages. Warren Corp.'s insurer filed a subrogation claim against the contractor and Weston & Sampson. Weston & Sampson denies any liability. Mediation was attempted but the insurer was seeking reimbursement for repairing the entire headrace, which both the contractor and Weston & Sampson believed was inappropriate. The matter was settled with the contractor and Weston & Sampson each contributing \$75,000.

13. Name Of Sole Proprietor Or Names Of All Firm Partners and Officers:

Name	Title	MA Reg #	Status/Discipline	Name	Title	MA Reg #	Status/Discipline
a. Michael J. Sciplone, PE	President	42541	Civil Engineering	g. Barbara Cook, PE	Vice President	37579	Civil Engineering
b. Todd Kenner	Chairman of the Board	N/A	Civil Engineering	h. Christopher Wester, PE	Vice President	46406	Civil Engineering
c. John Bocchino	Vice President	N/A	Operation & Maintenance	i. Frank Ricciardi, PE, LSP	Senior Associate	41689 / 5586	Civil Engineering
d. Francis W. Yanuskiewicz	Senior Vice President	N/A	Civil Engineering	j. Richard Mastrocchia, CPA	Outside Board Member	5437	Accounting
e. Donald D. Gallucci	Vice President	37973	Civil Engineering	k. Steve Johannsen	Outside Board Member		
f. Robert A. Goober, PE	Vice President	33837	Civil Engineering				

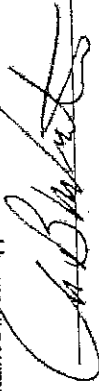
14. If Corporation, Provide Names Of All Members Of The Board Of Directors:

Name	Title	MA Reg #	Status/Discipline	Name	Title	MA Reg #	Status/Discipline
a.				d.			
b.				e.			
c.				f.			

15. Names Of All Owners (Stocks Or Other Ownership):

Name And Title	% Ownership	MA Reg.#	Status/Discipline	Name And Title	% Ownership	MA Reg.#	Status/Discipline
a. Please see Attachment A.				d.			
b.				e.			
c.				f.			

16. I hereby certify that the undersigned is an Authorized Signatory of Firm and is a Principal or Officer of Firm. I further certify that this firm is a "Designer", as that term is defined in Chapter 7C, Section 44 of the General Laws, or that the services required are limited to construction management or the preparation of master plans, studies, surveys, soil tests, cost estimates or programs. The information contained in this application is true, accurate and sworn to by the undersigned under the pains and penalties of perjury.

Submitted by (Signature):  Printed Name and Title: **Christopher Wester, PE - Vice President** Date: **10/13/15**

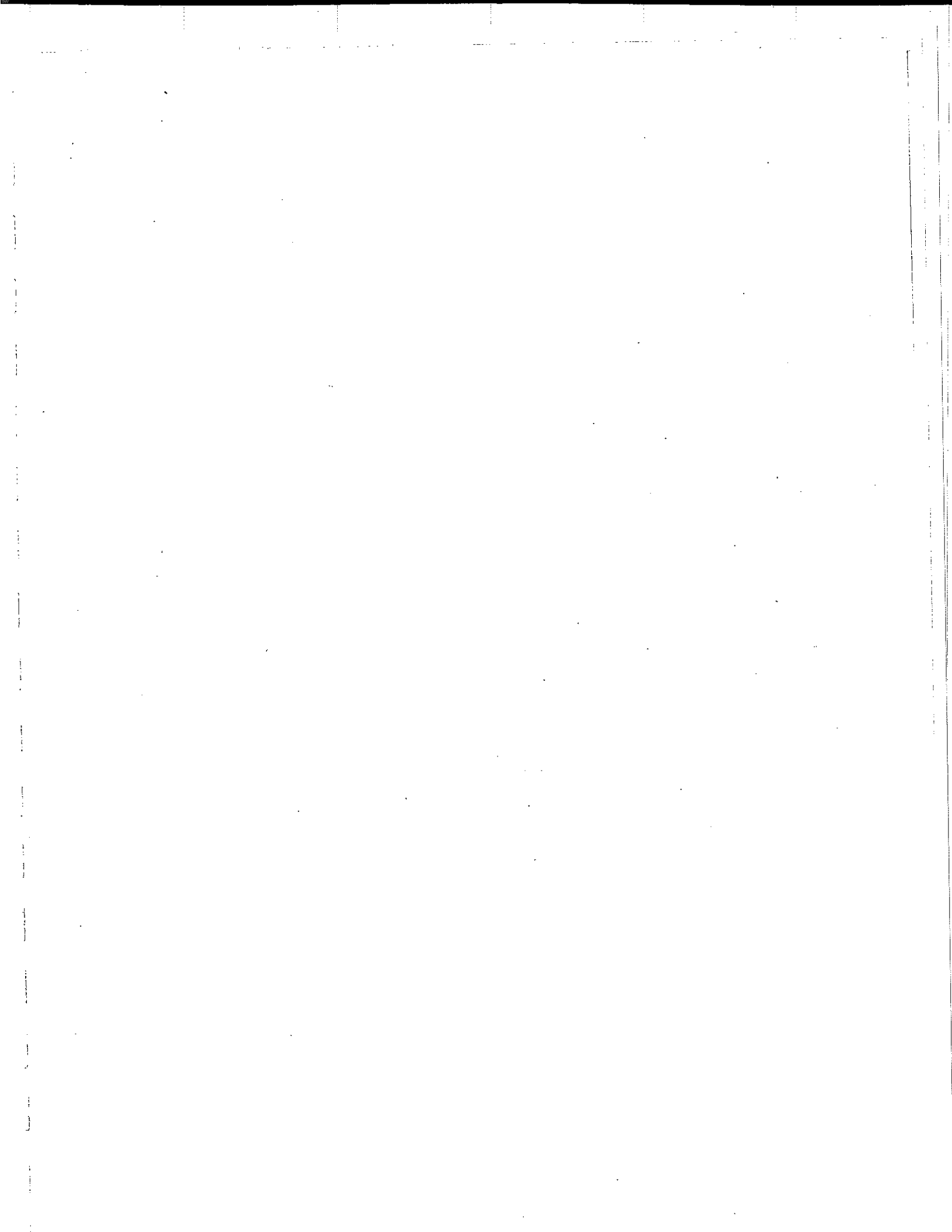
ATTACHMENT A

Question 15. Names of All Owners (Stocks or Other Ownership):

Names of all Partners or Directors	Titles	MA Reg. #	Discipline	% Ownership
Michael J. Sciplone	President - WSI	42541	Engineer	8.3644%
Patrick J. Connelly	Senior Vice President	31458	Engineer	7.1175%
John A. Bocchino	President - WSS	--	WSS	6.9516%
Robert A. Goober	Vice President	33837	Engineer	4.7989%
Prasanta K. Bhunia	Vice President	2999	Licensed Site Professional	4.5746%
Bruce W. Adams	Vice President	35752	Engineer	4.5746%
Francis W. Yanuskiewicz	Senior Vice President	--	Engineer	4.4849%
Eugene R. Bollinger	Vice President	906	Landscape Architect	4.4849%
Barbara K. Cook	Vice President	35759	Engineer	4.2607%
Donald G. Gallucci	Vice President	37973	Engineer	3.7673%
Kent M. Nichols	Vice President	47273	Engineer	2.9825%
Christopher B. Wester	Vice President	46406	Engineer	2.7806%
Richard J. Messer	Senior Associate	34388	Engineer	2.6909%
Jeffrey F. Budrow	Senior Associate	35265	Engineer	2.6909%
George D. Naslas	Vice President	6524	Licensed Site Professional	2.6057%
Peter M. Smith	Senior Vice President	29402	Engineer	2.4353%
Steven K. Pedersen	Senior Associate	38295	Engineer	2.4219%
David M. Elmer	Vice President	41507	Engineer	2.4219%
Mark P. Mitsch	Senior Associate	46681	Engineer	2.3680%
Blake A. Martin	Vice President	--	Hydrogeologist	2.3097%
Daniel E. Sheahan	Senior Associate	6259 (VT)	Engineer	2.2559%
Kenneth J. Bisceglia	Senior Associate	8922 (VT)	Engineer	1.4441%
Jeffrey A. Wilson	Senior Associate	41792 (FL)	Engineer	1.0943%
Jeffrey J. Alberti	Senior Associate	--	Engineer	0.9732%
Daniel R. Lawrence	Senior Associate	19828 (CT)	Engineer	0.9194%
Laurence F. Keegan	Associate	33708	Engineer	0.8970%
John A. Figurelli	Associate	335 (CT)	Licensed Environmental Professional	0.8656%
Wallace W. Bruce	Senior Associate	--	WSS	0.7176%
Christopher M. Perkins	Senior Associate	41460	Engineer	0.6952%
Frank Ricciardi	Vice President	41689/5586	Engineer / Licensed Site Professional	0.6817%
Duane C. Himes	Associate	32336	Engineer	0.6727%
Robert L. Horner	Vice President	13416 (SC)	Engineer	0.6548%
Cheri Ruane	Senior Associate	1220	Landscape Architect	0.6548%
Leah E. Stanton	Senior Associate	45779	Engineer	0.6369%
John B. Ellis	Associate	--	WSS	0.5875%
Kipling R. Gearhart	Senior Associate	17309 (SC)	Engineer	0.5830%
Stephen J. Richard	Associate	45394	WSS	0.5786%
Linden R. Soley	Associate	--	CMR	0.5741%
Wright, John	Associate	43353	Engineer	0.4485%
Raymond F. Gellinas	Associate	--	WSS	0.4485%
Peter A. Guarnieri	Select Owner	--	Art Director	0.4485%
Richard W. Spurr	Select Stockholder	--	CADD	0.3543%

ATTACHMENT A

Names of all Partners or Directors	Titles	MA Reg. #	Discipline	% Ownership
Sally Smith	Select	--	CMR	0.3498%
Kimberly A. Plourde	Select Owner	--	Marketing Manager	0.3498%
Carl W. Stone	Associate	069583 (NY)	Engineer	0.3364%
James M. Arrigal	Associate	--	CMR	0.2960%
Jeffrey W. McClure	Associate	41836	Engineer	0.2915%
McCormack, Brian	Associate	47895	Engineer	0.2870%
Gregory S. Pion	Associate	--	CMR	0.2691%
Hillary M. Lacirignola	Associate	47992	Engineer	0.2556%
Stephen P. Wiehe	Associate	1904 (FL)	Engineer	0.2512%
V. Salvatore Ferrara	Associate	--	WSS	0.2422%
Jeffrey D. Theberge	Select Stockholder	--	Information Technology	0.2153%
Colleen A. Manning	Select Stockholder	--	Human Resources	0.1929%
Paul E. Colson	Select Owner	--	WSS	0.1121%
John L. Howard	Select Owner	--	WSS	0.1121%
Kolokithas, Peter	Associate	46720	WSS	0.1076%
Campbell, Richard	Associate	36256	Engineer	0.0448%
James R. Fair	Associate	46434	Engineer	0.0135%



City of Springfield
 On-Call Engineering Services for the DPW
 Bid No. 16-061

BACKGROUND OF FIRM

INTRODUCTION

Firm Name

Weston & Sampson Engineers, Inc.

Parent Company (if any) and year acquired

N/A

Year Established

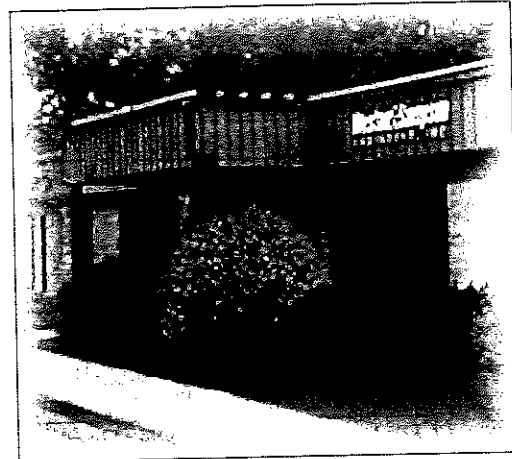
Weston & Sampson was founded in 1899.

Any former name that firm has been known by

Robert Spurr Weston (1899-1916)

Weston & Sampson (1916-1976)

Weston & Sampson Engineers, Inc. (1976-present)



Business address of Parent Company

N/A

Business address of office to be in primary charge of the work

Weston & Sampson Engineers, Inc.

273 Dividend Road
 Rocky Hill, CT 06067

Name of Project Manager

Christopher B. Wester, PE, will serve as the project manager.

Name of Person to Contact with any questions about proposal

If you have any questions regarding our submittal, please contact our principal-in-charge, Michael J. Scipione, PE, by telephone at (978) 532-1900 or by e-mail at scipionem@wseinc.com. You may also contact our project manager, Christopher B. Wester, PE, at (860) 513-1473 or by e-mail at wester@wseinc.com.

Name of Firm Principals, where registered and current professional standing

Weston & Sampson's firm principals are listed below.

FIRM PRINCIPAL	Registration No.
Michael J. Scipione, PE, President	42541 (MA)
Francis W. Yanuskiewicz, Senior Vice President	--
Patrick J. Connelly, PE, Chief Operating Officer	31458 (MA)
John A. Bocchino, President (WSS)	--
Peter M. Smith, PE, Corporate Risk Manager	29402 (MA)
Prasanta K. Bhunia, Ph.D., LSP, Vice President	2999 (MA)
Deirdra A. Taylor, CPA, Vice President	--
Robert A. Goober, PE, Vice President	33837 (MA)
Bruce W. Adams, PE, Vice President	35752 (MA)

BACKGROUND OF FIRM

FIRM PRINCIPAL	Registration No.
Donald G. Gallucci, PE, Vice President	37973 (MA)
Eugene R. Bolinger, RLA, Vice President	906 (MA)
Kenneth J. Bisceglia, PE, Vice President	8922 (VT)
Barbara K. Cook, PE, Vice President	35759 (MA)
Kent M. Nichols, PE, Vice President	47273 (MA)
Christopher B. Wester, PE, Vice President	46406 (MA)
George D. Naslas, PG, LSP, Vice President	6524 (MA)
Francis M. Ricciardi, PE, LSP, Program Manager	41689/5586 (MA)
Jeffrey F. Budrow, PE, Regional Manager	35265 (MA)
Robert L. Horner, PE, Regional Manager	13416 (SC)
Richard J. Messer, PE, Regional Manager	34388 (MA)
Jeffrey A. Wilson, PE, Regional Manager	41792 (FL)
Christopher M. Perkins, PE, Regional Manager	41460 (MA)

Type of Services that primary firm is qualified to provide

Throughout our 115-year-long history, Weston & Sampson has provided our clients with innovative and cost efficient engineering solutions to their environmental and infrastructure problems. Today, with offices located throughout New England, and the East Coast and with a diverse company-wide staff of over 430 professionals, Weston & Sampson is well prepared to undertake the most complex and demanding civil engineering challenges of the new century.

Ranked among the top design and environmental firms in the United States, according to the Engineering News Record, Weston & Sampson is proud of our steady record of growth and the ability of our project management staff to understand our client's needs, to develop appropriate solutions, and to provide comprehensive engineering services promptly, on time and on budget. Our areas of expertise include:

- Site/Civil Development
- Stormwater Management
- Wastewater Collection & Treatment
- Environmental Compliance/Permitting
- Landscape Architecture
- Infrastructure Design & Construction
- Wetlands Replication & Restoration
- Construction Oversight & Management
- Construction Mitigation
- Land Surveying
- GIS & Mapping
- Watershed Management
- Regulatory & Enforcement Assistance
- Environmental Site Assessment
- Transportation & Traffic
- Geotechnical & Structural
- Hydrogeological
- Master Planning
- Facility Design
- Renewable Energy
- Solid Waste Management
- Water Supply Development & Treatment
- Water Supply Pumping & Distribution
- Peer Review

BACKGROUND OF FIRM



Weston & Sampson prepares design plans and bidding documents for many civil, transportation, traffic signal, landscape architecture, water, sewer, drainage, and roadway improvement projects. Specific civil engineering and construction related experience includes utility design and construction services for the Massachusetts Water Resource Authority (MWRA) and non-MWRA communities; wastewater/stormwater conveyance and treatment for municipalities as well as the Massachusetts Department of Conservation and Recreation (DCR); on-call environmental/MCP compliance services for the Massachusetts Department of Transportation (MassDOT); on-call landscape architectural and renewable energy services for DCR; and site development services for the communities such as Gloucester, Hyannis, and West Boylston.

Additionally, Weston & Sampson's affiliate companies, Weston & Sampson Services and Weston & Sampson CMR, offer the capabilities of on-call operation and maintenance, construction management, and emergency maintenance (O&M) services to our municipal, industrial, and commercial clients.

Weston & Sampson
SERVICES INC.

Weston & Sampson
CMR, INC.
CONSTRUCTION / MAINTENANCE / REPAIR

FIRM QUALIFICATIONS

Weston & Sampson®

Weston & Sampson has provided **on-call or municipal engineering services** in a multitude of civil engineering disciplines for clients throughout New England. These services include design plans and bidding

documents for many civil, transportation, traffic signal, landscape architecture, water, sewer, drainage, and roadway improvement projects. Specifically our experience in the last five years includes on-call service contracts for numerous Massachusetts municipalities including the City of Springfield and projects completed for the Massachusetts Department of Transportation. The following table includes a listing of our experience providing on-call engineering services to numerous Massachusetts municipalities and agencies within the past five years.

BACKGROUND OF FIRM

Weston & Sampson On-Call Services and/or Multi-disciplinary Experience for Massachusetts Municipalities – Past Five Years		
Client/Services Provided/Costs	Key Staff	Reference
<p>Town of Ashburnham, Massachusetts</p> <ul style="list-style-type: none"> ▪ Pavement management program ▪ Drainage design ▪ Culvert slip lining ▪ Redesign of Gardner Road / Route 101 ▪ Peer review services 	<p>S. Roger Alcott, PE Donald Gallucci, PE Daniel Shinnick, Frank Occhipinti, PE Nicholas, Erickson PE, CFM</p>	<p>Doug Briggs Town Administrator Ashburnham, MA 978-827-4100 dbriggs@ashburnham-ma.gov</p>
<p>Town of Ayer, Massachusetts</p> <ul style="list-style-type: none"> ▪ Pond Street CDBG-Funded Infrastructure Improvements: <ul style="list-style-type: none"> ○ Prepared plans, specifications and contract documents ○ New sidewalks ○ New roadway ○ Revised drainage design ○ New water mains ○ Rehabilitated sewer utilities ▪ Evaluation of Options for Wastewater Treatment Facility ▪ Wastewater collection system operation and maintenance plan 	<p>Laurence Keegan, PE George Naslas, PG, LSP Kent Nichols, PE Patty Passariello, PE Bruce Adams, PE James Pearson, PE</p>	<p>Mark L. Wetzel, PE Public Works Department Ayer, MA</p>
<p>City of Cambridge, Massachusetts House Doctor engineering services on an as-needed basis to provide a range of civil, structural, landscape architecture, traffic/transportation, geotechnical, environmental, survey, and utility design services.</p>	<p>Laurence Keegan, PE Cheri Ruane, RLA Mark Mitsch, PE Richard Campbell, PE Scott Bruso, PE Howard Johannessen, PLS Craig Miner, LEED, BD+C Kent Nichols, PE</p>	<p>Owen O'Riordan, PE Commissioner City of Cambridge 456 Broadway Cambridge, MA 617-349-4845</p>

BACKGROUND OF FIRM

Weston & Sampson On-Call Services and/or Multi-disciplinary Experience for Massachusetts Municipalities – Past Five Years		
Client/Services Provided/Costs	Key Staff	Reference
<p>City of Chelsea, Massachusetts</p> <ul style="list-style-type: none"> ▪ Operation and maintenance of water and sewer system ▪ Design of CSO Improvements ▪ Multi-phase I/I reduction program ▪ Water, sewer & drain system improvements ▪ Powder Horn Hill Water Seepage Study ▪ Streetscape and complete roadway design ▪ Utility System GIS ▪ Water, sewer and stormwater construction and rehabilitation design ▪ LSP Services and soil management 	<p>Patricia Passariello, PE Laurence Keegan, PE Frank Occhipinti, PE David Burke Cheri Ruane, RLA Daniel Shinnick Jeffrey McClure, PE Bruce Adams, PE Leah Stanton, PE Manny Manganais Mark Mitsch, PE</p>	<p>Andrew B. DeSantis Assistant DPW Director Chelsea, MA 617-466-4206</p>
<p>Town of Framingham, Massachusetts</p> <ul style="list-style-type: none"> ▪ State Street Roadway & Infrastructure Improvements ▪ Crossroads Development Peer Review ▪ Framingham Bridge Inspect/Evaluation ▪ Cushing Memorial Park ▪ Improvements to Pearl Harbor Road Housing Development 	<p>Laurence Keegan, PE S. Roger Alcott, PE Michael Moonan, RLA Cheri Ruane, RLA Richard Campbell, PE Scott Bruso, PE</p>	<p>Jeremy Marsette, PE Town Engineer Department of Public Works – Engineering Division Framingham, MA 508-532-6010</p>
<p>City of Gloucester, Massachusetts</p> <ul style="list-style-type: none"> ▪ Community Wide Brownfields Program <ul style="list-style-type: none"> ○ Environmental Due Diligence ○ GIS / Inventory ○ Phase I, II, III Site Assessment ○ Community Outreach ▪ Community Planning for Economic Development ▪ Blackburn Industrial Park development ▪ Grant Assistance and Evaluation of Capacity for New Wastewater Facility ▪ Sewer Pump Station Planning ▪ Wastewater Management Planning 	<p>George Naslas, PG, LSP Sarah DeStefano, Daniel Shinnick Craig Miner, LEED, BD+C Kent Nichols, PE</p>	<p>Michael B. Hale, AICP Assistant City Engineer Gloucester, MA 978-281-9785</p>

BACKGROUND OF FIRM

Weston & Sampson On-Call Services and/or Multi-disciplinary Experience for Massachusetts Municipalities – Past Five Years		
Client/Services Provided/Costs	Key Staff	Reference
<p>City of Lawrence, Massachusetts</p> <ul style="list-style-type: none"> ▪ Community Wide Brownfields Program <ul style="list-style-type: none"> ○ Environmental Due Diligence ○ GIS / Inventory ○ Phase I, II, III Site Assessment ○ Community Outreach 	<p>George Naslas, PG, LSP Sarah DeStefano, Daniel Shinnick</p>	<p>Frank O'Connor, Jr. Economic Development Officer Office of Community Development Lawrence, MA 978-620-3510 foconnor@cityoflawrence.com</p>
<p>MassDevelopment On-Call Remediation & LSP Services</p> <ul style="list-style-type: none"> ▪ On-call demolition support services contracts for various projects statewide ▪ Projects include utilities and site restoration and stormwater control 	<p>George Naslas, PG, LSP Craig Miner, LEED, BD+C Frank Ricciardi, PE, LSP Sarah DeStefano David Burke</p>	<p>Alan Delaney, PE Massachusetts Development Finance Agency Devens, MA 978-784-2917 ADelaney@Massdevelopment.com</p>
<p>Town of Rutland, Massachusetts</p> <ul style="list-style-type: none"> ▪ Various engineering tasks on an as-needed basis as a General Engineering Services Project. Tasks have included: <ul style="list-style-type: none"> ○ Water, sewer and stormwater GIS ○ Reviewing proposed subdivision plans for compliance with town standards ○ Small sewer and pump station design ○ Fat, oil and grease program development ○ System-wide hydraulic capacity evaluation ○ Sewer Department staffing evaluation ○ Inflow removal program development ○ Sewer and water use regulation updates ○ I/I mitigation and capacity ○ Wastewater planning, and evaluation of new WWTF 	<p>Donald Gallucci, PE Daniel Shinnick Kent Nichols, PE</p>	<p>Gary Kellaher DPW Superintendent Rutland, MA 508-886-4105 GaryK@townofrutland.org</p>

BACKGROUND OF FIRM

Weston & Sampson On-Call Services and/or Multi-disciplinary Experience for Massachusetts Municipalities – Past Five Years		
Client/Services Provided/Costs	Key Staff	Reference
<p>Massachusetts Port Authority</p> <ul style="list-style-type: none"> ▪ Environmental assessment work at Logan International Airport's Conley Terminal and on-call environmental consulting services under numerous task order contracts for: <ul style="list-style-type: none"> ○ LSP services for multiple release sites ○ Stormwater consulting ○ Resource area environmental monitoring ○ Wetland specialist services 	<p>Melvin Higgins Sarah DeStefano Ken Gendron, PG, LSP</p>	<p>Rosanne Joyce Sr. Environmental Project Manager East Boston, MA 617-568-3516 rjoyce@massport.com</p>
<p>Town of Seekonk, Massachusetts</p> <ul style="list-style-type: none"> ▪ Runnins River Watershed Assessment ▪ Peer Review and Inspection Services ▪ Peer Review for Eastwood Estates ▪ Landfill Assessment, Closure, and Post-Closure Services ▪ MCP Compliance 	<p>Laurence Keegan, PE S. Roger Alcott, PE Kevin MacKinnon, PG, CG Brian McCormack, PE Blake Martin</p>	<p>Robert Lamoureux Department of Public Works Seekonk, MA 508-336-7407</p>
<p>Town of Rockland, Massachusetts</p> <ul style="list-style-type: none"> ▪ Union Street Sidewalk Reconstruction <ul style="list-style-type: none"> ○ Demolition and reconstruction of over 5,000 linear feet of sidewalks ○ ARRA funding ○ Community outreach 	<p>Laurence Keegan, PE Michael Moonan, RLA, LEED Richard Campbell, PE</p>	<p>Allan Chiocca Town Administrator Office of the Town Administrator Rockland, MA 781-871-1874 ta@rockland-ma.gov</p>
<p>Town of Shrewsbury, Massachusetts</p> <ul style="list-style-type: none"> ▪ Peer review evaluations ▪ Stormwater utility development ▪ Wastewater engineering consulting ▪ Wastewater planning ▪ Wastewater pump station evaluation, capital improvement planning, and design and construction of improvements 	<p>Jaurice Schwartz, PE Kent Nichols, PE</p>	<p>Jeff Howland, PE Town Engineer Shrewsbury, MA 508-841-8502 jhowland@shrewsburyma.gov</p>

BACKGROUND OF FIRM

Weston & Sampson On-Call Services and/or Multi-disciplinary Experience for Massachusetts Municipalities – Past Five Years		
Client/Services Provided/Costs	Key Staff	Reference
<p>City of Somerville, Massachusetts Community process, master planning, and full construction document design for various projects, including:</p> <ul style="list-style-type: none"> ▪ Albion and Grimmons Playgrounds ▪ Hodgkins-Curtin Park ▪ North Street Veterans Playground ▪ Quincy Street Open Space ▪ Allen and Durrell Street Community Gardens ▪ Multi-Use Path Design ▪ Cedar Street Sewer Separation Project 	<p>Cheri Ruane, RLA Richard Campbell, PE Laurence Keegan, PE</p>	<p>Arn Franzen, Director Parks and Open Space 617-666-3311 afranzen@somerville.gov</p>
<p>Town of Wilbraham, Massachusetts</p> <ul style="list-style-type: none"> ▪ On-call services to public works department ▪ Design and construction administration for pump station, force main and gravity sewers for Main Street ▪ Technical assistance with funding and sewer betterments ▪ Landscape architectural services related to park improvements 	<p>Christopher Wester, PE John Figurelli, PG, LEP Laurence Keegan, PE Michael Moonan, RLA Howard Johannessen, PLS David Burke</p>	<p>Bryan Litz Parks & Recreation Director Wilbraham, MA 413-596-2816 blitz@wilbraham-ma.gov</p>
<p>UMass Boston On-Call Environmental Services</p> <ul style="list-style-type: none"> ▪ Archives Building Utility Review <ul style="list-style-type: none"> ○ Peer review services as part of improvements relating to the Archives building. Specific services included review of utilities and survey services. 	<p>Laurence Keegan, PE Jeff Alberti, LEED</p>	<p>Matt King Office of the Secretary of State Archives Facility Department Boston, MA 617-727-2816, ext.252</p>
<p>UMass Amherst On-Call Environmental Services</p> <ul style="list-style-type: none"> ▪ Conducted feasibility study, prepared contract documents, and provided construction administration and resident services for the remediation and demolition of a former coal-fired power plant on the UMass campus. ▪ Environmental consulting services for the decommissioning and remediation of the former Tillson Coal Storage Facility 	<p>Christopher Wester, PE John Figurelli, PG, LEP Brian McCormack, PE Laurence Keegan, PE Richard Campbell, PE Chris Palmer, PE Craig Miner, LEED, BD+C Patricia Passariello, PE</p>	<p>John Mathews, PE Assistant Director Campus Projects Facilities Planning Division UMass 413-545-6442</p>

BACKGROUND OF FIRM

Weston & Sampson On-Call Services and/or Multi-disciplinary Experience for Massachusetts Municipalities – Past Five Years		
Client/Services Provided/Costs	Key Staff	Reference
<p>City of Worcester, Massachusetts</p> <ul style="list-style-type: none"> ▪ Multiple Design & Infrastructure Projects ▪ Master Plan for the restoration of historic Worcester Common ▪ Environmental assessment and remediation ▪ Park/playground redesign and redevelopment ▪ Review of stormwater inputs and sedimentation for Salisbury Pond 	<p>Blake Martin Frank Occhipinti, PE Laurence Keegan, PE Cheri Ruane, RLA Michael Moonan, RLA George Naslas, PG, LSP Brian McCormack, PE Donald Gallucci, PE Richard Campbell, PE David Burke</p>	<p>Paul Moosey, PE Commissioner Worcester, MA 508-799-1454 mooseyP@ci.worcester.ma.us</p>
<p>City of Woburn, Massachusetts</p> <ul style="list-style-type: none"> ▪ Sewer system I/I and SSES ▪ Planning, design and construction for pump station improvements ▪ Unidirectional Flushing - hydrants ▪ iData Collect – forms for DPW applications ▪ Due diligence assessment and remediation maintenance and repair – pump stations ▪ Water main inspection and water meter study ▪ Prepared plans, specifications, and contract documents for Whispering Hills Park 	<p>Laurence Keegan, PE Cheri Ruane, RLA S. Roger Alcott, PE Richard Campbell, PE Michael Moonan, RLA, LEED Anthony Zerilli David Elmer, PE Melvin Higgins Brian McCormack, PE Craig Miner, LEED, BD+C Kent Nichols, PE Leah Stanton, PE</p>	<p>John Corey City Engineer Department of Public Works Woburn, MA 781-932-4486</p>

PROJECTS COMPLETED FOR THE CITY OF SPRINGFIELD

On-Call Services

Since 2006, Weston & Sampson has had an on-call services contract with the City of Springfield, which can be utilized by any city department. Weston & Sampson has provided services for multiple task orders, including MCP response actions, solid waste support services and environmental monitoring at a closed landfill.

Brownfields Assessment & Remediation

Since 2002 and including a current assignment, Weston & Sampson has provided the City of Springfield with a variety of services, including Brownfield Site Assessment services at multiple locations and Brownfield Remediation and construction

Reference:
 Brian Connors
 Deputy Director of Economic Development
 Springfield, MA
 413-787-6020

BACKGROUND OF FIRM

services. The three Brownfield contracts were funded through the United States Environmental Protection Agency (US EPA) and included Licensed Site Professional (LSP) services, soil and groundwater assessment, evaluation of remedial alternatives, building assessments, pre-characterization of soil, plans and specifications for soil and groundwater management, and remediation of separate phase product.

Central Street Surveying

For a task order conducted under our on-call engineering services agreement with the City of Springfield, Weston & Sampson staff conducted a boundary line survey of the project parcels along Central Street, prepared an ANR Plan of the existing parcels and provided parcel delineation based on the ANR Plan.

Reference:
Christopher M. Cignoli, PE
Director of Public Works
413-750-2808

Community Center Traffic Access & Impact Study

Weston & Sampson was selected by the City of Springfield Department of Public Works to prepare a traffic impact and site access study for the new South End Community Center (SECC). The assessment was based on operational and queue analysis of intersections adjacent to the site as well as the proposed site driveways, including a bus drop-off area, and air quality analysis. The site plan was also reviewed for pedestrian accessibility, vehicular access, circulation and parking.

Former Chapman Valve Manufacturing Facility Abatement & Demolition

The City of Springfield Office of Planning and Economic Development, the Springfield Redevelopment Authority (SRA), and the Massachusetts Development Finance Agency (MassDevelopment) hired Weston & Sampson to perform engineering design, cost estimating, contract administration, and construction oversight services for the abatement and demolition of a former Chapman Valve manufacturing building located at 121 Pinevale Street in the Indian Orchard neighborhood of Springfield.

Reference:
Alan Delaney, PE
Massachusetts Development
Finance Agency
978-784-2917

Christopher Dunphy
Pioneer Valley Planning Commission
413-781-6065

McKnight Trail Study

Weston & Sampson provided services related to the feasibility of a multi-use trail through the McKnight neighborhood of Springfield, Massachusetts along the former Highland Division of the New York, New Haven, and Hartford Railroad. This project has involved the development of a comprehensive base plan with existing site features for use in the analysis and design of the site. A preliminary environmental review was completed in accordance with the National Environmental Policy Act (NEPA) as well as the Massachusetts Environmental Policy Act (MEPA).

Reference:
Michael Tully
Department of Parks, Buildings &
Recreational Management
413-886-5183

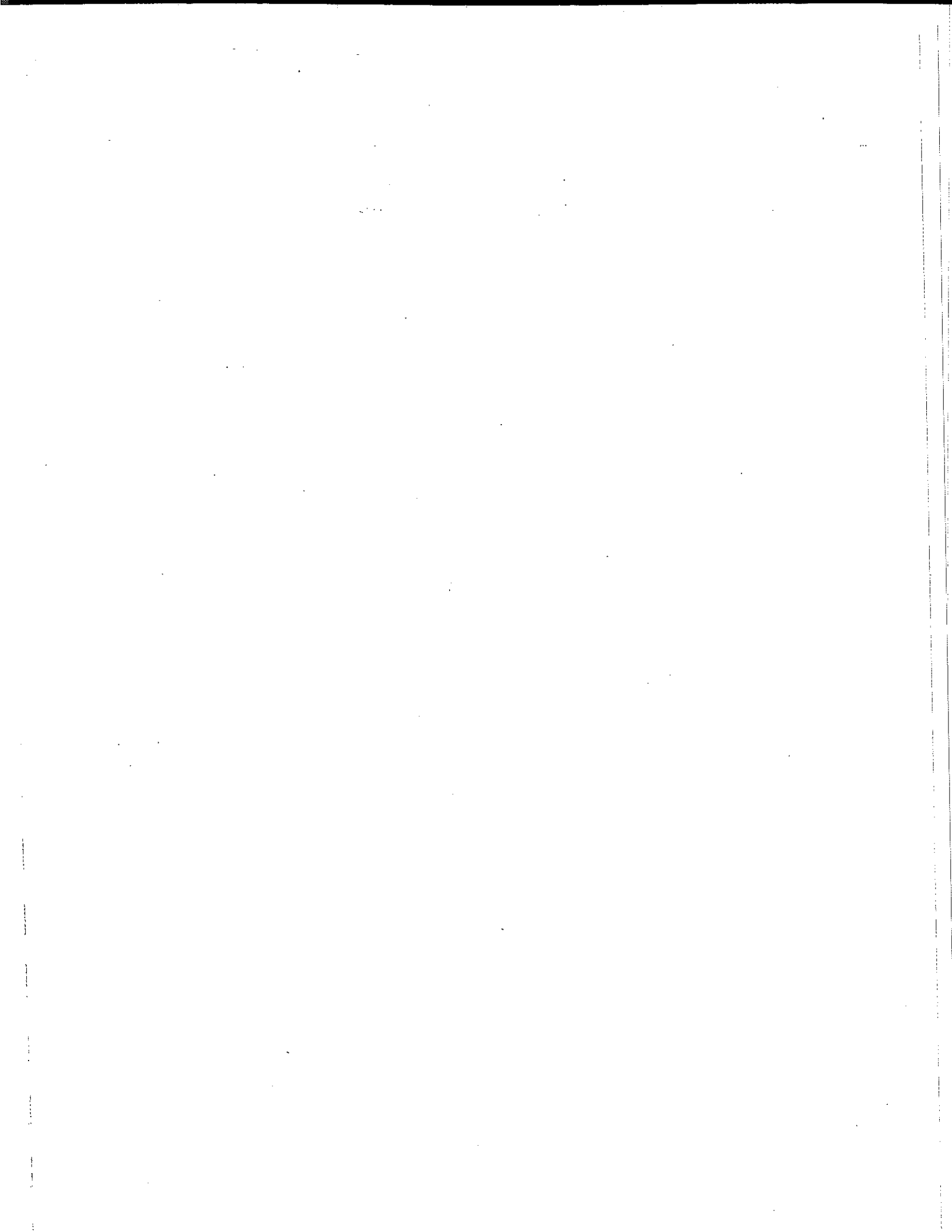
BACKGROUND OF FIRM

Massachusetts Department of Transportation Experience in the Last 10 Years
Weston & Sampson has recently provided the Massachusetts Department of Transportation (MassDOT) with a variety of services for projects throughout the State. Specifically these services involved, but are not limited to, the following:

- Environmental monitoring
- Solid waste
- Bridges & pedestrian bridges
- Dam repairs
- Well services & decommissioning
- Inspection services
- Flow studies
- Culverts
- Water supply
- Vehicle wash design
- UST services
- Roadway design

The above services provided to MassDOT have been conducted in municipalities throughout the Commonwealth including, but not limited to, the following:

- Springfield
- Stockbridge
- Lenox
- Huntington
- Beverly
- Hopkinton
- Wilbraham
- Deerfield
- Boston
- Ludlow
- Hanover
- Warren
- Pittsfield
- Cohasset
- Weston



PROFESSIONAL PERSONNEL

We have included detailed resumes for the key professional personnel on our project team on the following pages.

For a summary of the qualifications of the senior team member responsible for each of the service offerings we propose to provide to the City of Springfield, please refer to Section 1, *Team Organization*. Section 1 also includes a graphical project team chart that further details our team's organizational structure.

MICHAEL J. SCIPIONE, PE

Principal-in-Charge

Background

2005-Present
President/Chief Executive Officer
Weston & Sampson

2002-2004
Chief Operating Officer
Weston & Sampson

1999-2002
Vice President
Weston & Sampson

1993-1999
Associate
Weston & Sampson

1991-1993
Project Manager
Weston & Sampson

1989-1991
Senior Project Engineer
Weston & Sampson

1987-1989
Project Engineer
Weston & Sampson

1985-1987
Associate Project Engineer
Weston & Sampson

1983 -1985
Northeastern University
Master of Science Student

1982-1983
Engineer
Michael Baker, Jr.

Education

1985
Master of Science, Environmental
Engineering
Northeastern University

1981
Bachelor of Science, Civil Engineering
Worcester Polytechnic Institute

Professional Registration

Maine
Massachusetts
New Hampshire
Connecticut
Rhode Island

Professional Societies

Water Environment Federation
Solid Waste Association of North
America

EXPERIENCE

Mr. Scipione is president of Weston & Sampson and has over 26 years of civil engineering experience. He provides our transportation, solid waste, wastewater, and water divisions with management and training to support various projects.

SPECIFIC PROJECT EXPERIENCE

Provided oversight for a feasibility study and schematic design for an addition to the Department of Public Works (DPW) facility for the Town of Lynnfield, Massachusetts, as well as the design and implementation of services for the construction of a new pre-engineered Vehicle Storage Facility for the Town of Wakefield DPW. Worked on additional DPW projects for the communities of Bedford, Bellingham, Chatham, Chelmsford, Framingham, Franklin, Lexington, Weston, Winchester, and Yarmouth, Massachusetts.

Lead Engineer for feasibility studies for public works facilities in Bedford, Chelmsford, and Lynnfield, Massachusetts. The Bedford project involves post-closure permitting of a former landfill.

Project Manager for the Maple Street reconstruction project in West Boylston. This project was initiated to address deficiencies in the pavement structure and roadway width, and to correct drainage and sight distance concerns. Improvements include grading, drainage, and paving improvements within the existing street right-of-way.

Project Manager for the Town of Sharon/MBTA Parking Lot Improvements Project. The project included design finalization and environmental permitting, including EIR preparation.

Principal-in-charge of the Cape Cod rail-to-trail bikepath project in Chatham, Massachusetts. This project involved the development of contract documents for the construction of a six-mile bikeway, which makes use of a former Old Colony Railroad right-of-way.

Engineer for the design of a lighted staff parking lot for the Coney Island Water Pollution Control Facility. Design and permitting involved layout, drainage, and construction permit acquisition for a 30-space lighted parking facility in Brooklyn, New York.

Principal-in-charge of the design and construction management of the Worcester Corporate Center in West Boylston, Massachusetts. This project involves 4,100 linear feet of new roadway and utility design to access 10 new industrial development lots.

Managed the design of approximately 4,900 linear feet of access roadway and associated permitting for the Blackburn Industrial Park Expansion Project in Gloucester, Massachusetts.

Project Manager for a landfill closure in Lawrence, Massachusetts for MassHighway. The project included landfill closure, access road layout, and coordination with MassHighway desing of a Route 495 on-ramp.

Engineer for the design of a five-mile bike path along the Shore Parkway in Brooklyn, New York. As a mitigation measure associated with the Coney Island Water Pollution



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MICHAEL J. SCIPIONE, PE

Principal-in-Charge

Committees

Massachusetts Water Infrastructure
Advisory Committee (2015)

Honors

Chi Epsilon National Civil
Engineering Honor Society

Papers & Publications

February 5-7, 1990
M.Scipione, "Pilot Plant Testing of the
SBR
Process For Septage Treatment in
Mashpee Massachusetts", presented
at the New England Water Pollution
Control Association Conference,
Boston, Massachusetts

Control Project, a five-mile bike path was designed along the force main route from Coney Island to the 26 Ward treatment plant. The bike path met city, state, and federal bike path design standards and guidelines.

Engineer for the realignment of Avenue Z in Brooklyn, New York. The project involved the design and permitting necessary to close a portion of Avenue Z and to construct a portion of Avenue Z (Park Street).

Project Manager for the Goose Cove Causeway reconstruction project in Gloucester, Massachusetts. The project includes rehabilitation of existing barrier walls, utility relocations, roadway reconstruction, and a bridge deck replacement on the 1,000-foot long causeway corridor.

Project Engineer for the Spectacle Island Material Disposal System for the Central Artery/Tunnel project for the Massachusetts Highway Department (MassHighway).

Project Engineer/Manager for landfill closure projects in the Massachusetts communities of Bedford, Canton, Concord, Duxbury, Foxborough, Harwich, Kingston, Mashpee, Middleborough, Peperrell, Seekonk, Sharon, Sheffield, Shirley, West Boylston, Winchendon, and Yarmouth; Brooklyn and Woodstock, Connecticut; Bedford and Keene, New Hampshire; and for Spectacle Island for the Massachusetts Highway Department as part of the Central Artery/Tunnel Project.

Project Engineer for the design of a solid waste transfer station for Mashpee, Massachusetts. Design included the preparation of construction documents, including civil, architectural, and mechanical drawings for a direct dump transfer station.

Project Engineer for the design of a solid waste transfer station for Kingston, Massachusetts. The design included development of civil, structural, and mechanical plans for a modular compaction transfer station.

Project Manager/Lead Engineer for landfill monitoring and closure activities at the municipal landfill in Chatham, Massachusetts. This project involved a Comprehensive Site Assessment and post-closure use of a recycling station on a portion of the closed landfill.

Project Manager involved with the technical review of the site assignment application for the Hanscom Air Force Base transfer station in the Town of Lexington, Massachusetts.

CHRISTOPHER B. WESTER, PE

Project Manager

Background

2007-Present
Vice President
Weston & Sampson
Rocky Hill, Connecticut

2002-2007
Project Manager/Team Leader
Weston & Sampson
Glastonbury, Connecticut

2000-2002
Project Director
Earth Tech, Inc.
Glastonbury, Connecticut

1990-2000
Principal Engineer
Maguire Group, Inc.
New Britain, Connecticut

1987-1990
Project Engineer
Orsine Cotter Carson, Inc.
Cheshire, Connecticut

Education

1986
Bachelor of Science
Civil Engineering
University of New Hampshire

Professional Registrations

Connecticut
Massachusetts

Professional Societies

Associates Committee,
Connecticut American Water Works
Association
Prospect, Connecticut
Water Pollution Control Authority
Water Environment Federation
American Water Works Association
New England Water Environment
Association
National Society of Professional
Engineers
American Society of Civil Engineers

EXPERIENCE

Mr. Wester is a Connecticut registered Professional Engineer with more than 27 years of civil engineering experience. Specializing in wastewater collection and treatment, but with a widely varied professional background, Mr. Wester offers expertise in the management and execution of planning, design, and construction projects throughout the New England region. His technical responsibilities include the preparation of engineering studies, preliminary and final design, process reviews, computerized simulation of wastewater treatment facilities, preparation of construction and contract documents, cost estimates, project bid coordination and review, and design coordination during construction.



As the regional manager of Weston & Sampson's office in Rocky Hill, Connecticut, Mr. Wester provides guidance and oversight for numerous engineering and design projects in Connecticut and western Massachusetts.

SPECIFIC PROJECT EXPERIENCE

Project director and client manager for various current on-call engineering service assignments in the communities of Lenox, Wilbraham, and Springfield, Massachusetts and Bristol, Derby, Meriden, Plymouth, Thomaston, Torrington, Connecticut, to name but a few. Mr. Wester's responsibilities include overall assignment oversight, coordination with client staff, public presentations and participation, oversight of design production, and QA/QC review of production documents, reports, and design instruments. In addition, Mr. Wester is responsible for invoicing of on-call services, and management of the engineering agreements with each client. The following project descriptions highlight some of Mr. Wester's experience with other types of municipal projects.

Principal-in-charge for the Marble Street Extension project in Springfield, Massachusetts. Project includes new roadway, existing roadway realignment and utility extensions.

Principal-in-charge for the Wendell and Rutledge cul-de-sacs roadway improvements project in Springfield, Massachusetts. This project involved providing the City engineering design, soil borings, bidding and construction administration to replace the existing dead end roadways with cul-de-sacs.

Overall client management for intersection improvements in Wilbraham, Massachusetts to two intersections, including signal modifications and conversion of three-way to four-way stop controls.

Overall client management for grant applications, design, bidding, and construction administration for flood mitigation improvements funded by FEMA / MEMA in Wilbraham, Massachusetts.

Provided review of permit and plant operations related to the National Pollutant Discharge Elimination System (NPDES) permit renewal for the University of Massachusetts Amherst for its Coal Pile Treatment Facility. Subsequently, Mr. Wester has been serving in an "on-call" consultant capacity through which he coordinated the University's groundwater monitoring wells sampling plan to maintain permit compliance; oversaw two training sessions that Weston & Sampson conducted for the University's operations staff; and provided engineering advice when a campus-wide Department of Environmental Protection (DEP) audit raised issue regarding the treatment facility. These

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CHRISTOPHER B. WESTER, PE

Project Manager

issues were dismissed following Weston & Sampson's involvement.

Principal-In-Charge for biological phosphorous removal evaluation for the Town of Great Barrington. Evaluated the ability of the current 3.65 MGD WWTF to meet the effluent requirement through the use of an anaerobic-oxic (A/O) process without the aid of precipitation chemicals. The biological process evaluation was aided through the use of the BioWin process modeling tool.

Project Manager and Process Engineer responsible for design of upgrades to a 0.30-million gallon per day wastewater treatment facility for the Town of Stockbridge, Massachusetts. Process upgrades included the addition of nutrient removal capabilities, including biological and chemical phosphorous removal, and future capacity for nitrification/denitrification. Additional upgrades included the addition of a third secondary clarifier, upgrades to the influent grinder system, and upgrades to the solids handling processes.

Principal-in-charge for Community Development Block Grant (CDBG) projects in the communities of Orange, Wendell, and Ware, Massachusetts. Projects included rehabilitation of existing infrastructure, including water mains, sewer mains, roadways, sidewalks, drainage structures, retaining walls, and a bridge.

Principal-in-charge for the Brunell Avenue Pumping Station Improvements Project. Mr. Wester is responsible for managing design, bidding and construction administration, including shop drawing, construction meetings, pay estimates, requests for information, and change orders reviews, for the complete renovation of the Brunell Avenue Pumping Station in the Town of Lenox.

Principal-in-charge for street improvements projects in Buckland and Orange, Massachusetts.

Principal-in-charge for the Woodland Heights Neighborhood Improvements in Wales, Massachusetts.

Principal-in-charge two housing projects in Chicopee, Massachusetts. This project involved the design of roadways, sidewalks, parking areas, landscaping areas, and sewer and drainage mains. In particular, work included the design of 2,200 feet of gravity sanitary sewer, 800 feet of underdrain, roadway reconstruction, and the siting of handicap ramps and sidewalks to service the tenants of the facility.

Principal-in-charge responsible for the design of drainage and erosion and control improvements in various communities, including East Longmeadow, Lenox, Ludlow, Orange, Ware, and Wendell, Massachusetts. Work has included stream bank stabilization, pipeline design, outfall design, and installation and replacement of small and large box culverts.

Principal-in-charge for 2,670 feet of road reconstruction, sidewalk layout and drainage for the Simonds Street Improvements Project in Ludlow, Massachusetts and three culverts on Lockes Village Road in Wendell, Massachusetts.

Principal-in-charge responsible for the preparation of Stormwater Management Plans, Notice of Intents, and No Exposure Certifications for public works facilities, transfer stations, and landfills for the communities of Deerfield, Lenox, and Orange, Massachusetts.

Principal-In-Charge for the City of Bristol On-Call Contract. The tasks under this contract included updating and calibrating a Pipes2000 water distribution model, updating the water supply plan, hydraulic evaluation of system conditions during tank rehabilitation, and geographic information system (GIS) development.



FRANCIS W. YANUSKIEWICZ

Principal-in-Charge

Background

2000-Present
Senior Vice President
Weston & Sampson

1987-2000
Vice President
Weston & Sampson

1983-1987
Associate
Weston & Sampson

1975-1983
Project Manager
Weston & Sampson

1973-1975
Sanitary Engineer
Weston & Sampson

1970-1973
Engineering Aide
Delano & Keith, Inc.

Education

(course requirements completed)

Master of Science
Environmental Engineering
Northeastern University

1973
Bachelor of Science
Civil Engineering
Worcester Polytechnic Institute

1980
Certificate of Value Engineering
The Environmental Protection Agency
and the Society of American Value
Engineers

Professional Societies

New England Water Environment
Association
Water Environment Federation

Honors

1991
Recipient of the Water Environment
Federation's Sidney Bedell Award

EXPERIENCE

Mr. Yanuskiewicz is a Senior Vice President of Weston & Sampson with more than 35 years of civil engineer experience. He has been Project Director for a wide range of wastewater planning, design and construction projects throughout New England.

SPECIFIC PROJECT EXPERIENCE

Principal-in-Charge for Comprehensive Water Resource Management Plan (CWRMP) in Norton, Massachusetts. The work included negotiations with Taunton and Mansfield, Massachusetts Inter-Municipal Agreements (IMAs) and passage of special legislation to allow sewer user charges to be assessed on system capacity owned.

Project Director for Upper Taunton River Regional Wastewater Plan, evaluating regional sewer needs and alternatives for 14 communities centered on Bridgewater, Brockton, Mansfield, and Taunton treatment facilities.

Assisted communities in negotiations toward a total of eight (8) inter-municipal agreements for Bellingham, Chelmsford, and Medfield, Massachusetts and Coventry, Rhode Island.

Assisted the Town of Norton with the inter-municipal agreement required as part of the M-F-N (Mansfield-Foxboro-Norton) Regional Sewer District formed in July 2014. In addition, assisted the Town of Norton with an intra-town agreement (finalized in October 2014) with Wheaton College including construction cost sharing and connection changes for entry into the M-F-N Regional Sewer District.

Project Director and Finance Specialist for the final needs analysis/alternatives evaluation component of the recently completed Concord, Massachusetts Comprehensive Wastewater Management Plan.

Assisted private developers with properties in Foxboro and Sharon, Massachusetts to connect to the Massachusetts Water Resources Authority sewer system through the Town of Walpole sewer system.

Principal-in-Charge for a three-part study from 1996 to 2001 to update and upgrade the Town of Wrentham, Massachusetts' Wastewater Facilities Plan. Provided recommendations for sewerage around the town's three lakes, and upgrading the existing 0.54-million gallons per day (mgd) wastewater treatment facility at the Massachusetts Department of Mental Retardation (DMR) in Wrentham.

Principal-in-charge for the design and construction of Phases I and II of the Wastewater Collection System Expansion project in the Town of Scituate, Massachusetts. This project consists of over 14 miles of gravity, low-pressure, and force main sewers including five wastewater pumping stations and approximately 50 individual residential grinder pumps.

Project Director and Principal-in-Charge for the design and construction of multiple construction contracts for sewers, interceptors, and custom and packaged pump stations in Chelmsford, Massachusetts with total construction costs in excess of \$109



FRANCIS W. YANUSKIEWICZ

Principal-in-Charge

million. Responsibility also included two planning studies required prior to this design and construction.

As the Principal-in-Charge for the development of a Wastewater Strategic Plan for the Town of Deerfield, Massachusetts, Mr. Yanuskiewicz provided overall guidance to the project including review of all reports and final approval of the reports and cost estimates provided for presentation to the town meeting.

Project Director for the complete rewrite of the Town of Tyngsborough's sewer regulations, including revamping capital and operating cost recoupment policies and procedures

Project Director for the New Silver Beach Area Wastewater Management Plan in Falmouth, Massachusetts.

Project Director for facilities plan updates for the Massachusetts communities of Holliston and Chelmsford. Mr. Yanuskiewicz assisted each community with informational programs that led to substantial town meeting and ballot question funding authorizations of \$45 million and \$49 million, respectively.

Project Director for the design, review, re-design, and construction services for the Phase 3 - Eldor Drive Sewer Project for Walpole, Massachusetts.

Project Manager for the planning and design and construction services for the Surfside Road Sewer Extension Project in Nantucket, Massachusetts.

Principal-in-Charge of the construction services for the North Lexington Custom Wastewater Pumping Station and Force Main for Lexington, Massachusetts.

Project Director for the planning, design and construction of the proposed sewerage facilities in Bellingham, Massachusetts, including over 100,000 linear feet of sewers, five pump stations, and eight separate construction contracts.

Prepared facilities plans for Millbrook Valley Relief Sewer (MDC); Gorham, New Hampshire; Berlin, Vermont; Bellingham, Chelmsford, Ashfield, and Bedford, Massachusetts.

Project Director for the Massachusetts Water Resources Authority (MWRA) Cummingsville Relief Sewer Facilities Plan/Environmental Impact Report.

Project Manager for the investigation of alternative sludge dewatering/disposal options and the evaluation of aeration process modifications for the Medfield, Massachusetts Tertiary Wastewater Treatment Facility.

Project Manager for the City of Concord, New Hampshire Master Sewer Plan including assessment of Hall Street and Penacook Wastewater Treatment facility performance and capacity.

Project Engineer for the design of sludge dewatering facilities and treatment facility expansion for the Kendall Company in Bethune, South Carolina.

Project Manager for planning and design of wastewater collection and treatment facilities for Ashfield, Massachusetts.

Project Manager for evaluation and report on improvements to septage disposal facilities in Mashpee, Massachusetts.

PETER M. SMITH, PE

Risk Manager

Background

1999-2007
Chief Executive Officer and President
Weston & Sampson
Services

1998-1999
Chief Operating Officer and Vice
President
Weston & Sampson
Services

1992-1998
Vice President
Weston & Sampson
Services

2000-Present
Senior Vice President
Weston & Sampson

1987-2000
Vice President
Weston & Sampson

1983-1987
Associate
Weston & Sampson

1975-1983
Project Engineer
Weston & Sampson

1973-1975
Sanitary Engineer
Weston & Sampson

Education

1973
Bachelor of Science
Civil Engineering
Northeastern University

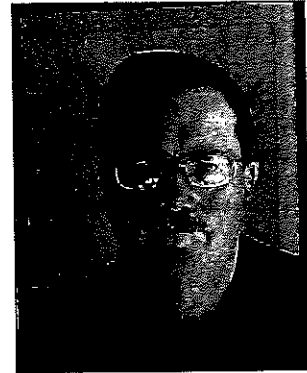
1980
Course in Soil Structure Interaction
Mechanics and Hydraulic Design,
Utah State University

Professional Registration

Professional Engineer:
Massachusetts No. 29402
Connecticut No. 16625
New York No. 079652
Rhode Island No. 6257
Maine No. 3839
New Hampshire No. 5587
New Jersey No. 24GE04664200
Louisiana No. 32277
Georgia No. PEC35164
Florida No. 70047

EXPERIENCE

Mr. Smith is program manager for Weston & Sampson's Construction Services Department (CSD) and has overall responsibility for budget and quality control and manpower resources allocation to meet the commitment of the firm to satisfy its clients' needs during construction of their projects. With over 38 years of experience, Mr. Smith has directed and managed a wide variety of projects, from conceptual through construction phases, and has experience in the field as a representative of the owner observing the work of construction contractors. Mr. Smith has experience with wastewater collection systems and treatment plants; water distribution systems and elevated tanks; storm drainage collection systems; sanitary landfills; water and wastewater pumping stations; major interceptor and relief sewers; large diameter storm drains and culverts; contaminated soil cleanup; operation and maintenance of water and wastewater facilities; and construction administration.



Mr. Smith is also responsible for risk management and quality control at Weston & Sampson. In this role, he is chairman of the Technical Standards & Policy Committee that establishes and updates the firm's master specifications and standard construction details used in preparation of our contract documents. As the manager of the firm's CSD, Mr. Smith also performs biddability and constructability reviews of project deliverables, including reports and construction plans and specifications. In addition, he reviews specifications to ensure that the design team is using the latest updates produced by the company.

SPECIFIC PROJECT EXPERIENCE

Principal-in-Charge of the North Quincy Sewer Interceptor Improvements Project in Quincy, Massachusetts. The work involves design and construction of sewer system rehabilitation using trenchless technologies. Key aspects of the project include clean, test, and seal of sewers; manhole sealing; pipe replacement; and inversion lining of 9,000 feet of nearly century-old sewer ranging in size from 12 inch to 24 inch by 36 inch oval brick interceptor.

Technical Reviewer for the Town of Chelmsford sewer design and construction program. Responsible for review of contract documents for every construction project designed over a 15-year period. Worked with the design team to address biddability/constructability concerns raised during the technical review. Sought ways to reduce construction costs through alternative design approaches.

Design of 2,600 feet of road reconstruction in Stafford, Connecticut. This project included decorative brick pavers, curbing, sidewalks, and street trees.

Design of road reconstruction and improvements in the Town of Ledyard, Connecticut. This project involved an evaluation of road pavement improvement options, drainage improvements, and guiderail improvements. Improvements were selected that maintained the character of scenic roadways.

Design and construction administration for a package suction lift pump station consisting of two 7.5 hp pumps with controls and backup power, 900 feet of force main, 6,000 feet of gravity sanitary sewer, and 6,000 feet of water main in East Lyme, Connecticut.

Weston & Sampson

PETER M. SMITH, PE

Risk Manager

Papers & Publications

November 12, 1986

"Municipal Drainage Planning,"
presented at the New Hampshire
Municipal Association Annual
Conference

June 9, 1986

Smith, P. M., and Corr, S.H., "Closure
and Expansion of An Existing Landfill
in Concord Massachusetts," presented
at the New England Water Pollution
Control Association Spring Meeting

May 1984

Smith, P.M., Corr, S.H., Blanc, F.C.,
and O'Shaughnessy, J.C., "Treatment
of Soft
Drink Bottling Wastewater from
Bench Scale Treatability to Full Scale
Operation," presented at the 39th
Annual Purdue Industrial Waste
Conference

Professional Societies

American Consulting Engineers
Council of Massachusetts Risk
Management Committee and Design/
Build Subcommittee
American Society of Civil Engineers
American Water Works Association
Associated General Contractors of
Massachusetts
Boston Society of Civil Engineers,
Past Chairman of Environmental
Technical Group
Design-Build Institute of America
New England Water Environment
Association

Principal-in-charge responsible for the operation and maintenance services provided to Quincy, Massachusetts for all water, wastewater and storm drainage pump stations and tide gates. Services include regular inspection of the station equipment, management of maintenance contracts with equipment service companies, troubleshooting, and training of city personnel on the operations and maintenance of the facilities.

Principal-in-charge responsible for the investigation of pump vibration problems at the North Lexington Pump Station. This project, conducted for Lexington, Massachusetts, involved the evaluation of pumping operations, determining station deficiencies, and preparing a report on remedial action. Station repairs were made during the course of the study to assist in the troubleshooting efforts and ensure proper pumping capabilities during wet weather flow periods.

Principal-in-charge for the operation and maintenance services provided to Lexington for the North Lexington Sewer Pump Station and nine satellite stations. Services included regular inspection of the equipment, management of equipment maintenance contracts, troubleshooting, and training of operations personnel.

Principal-in-charge of the upgrade of the Callahan Tunnel Mid-River Pump Station for the Massachusetts Turnpike Authority. Project included design and construction administration for the replacement of pumps, motors, controls, telemetry, HVAC, and electrical equipment.

Principal-in-charge for the renovations of five stormwater pumping stations for the Massachusetts Turnpike Authority. The project included the evaluation of the operation of each station, preparation of a design concept report, design and construction management of new pump stations, pump controls, emergency generators, HVAC, screens and electrical equipment for the stations ranging in capacity from 1 to 3 mgd.

Principal-in-charge responsible for the investigation of problems experienced during the start-up of the Quineboquin Wastewater Pump Station in Newton, Massachusetts. The study involved a review of hydraulics and pump design, performance of pump vibration analysis and evaluation of pump operating cycles and wetwell levels.

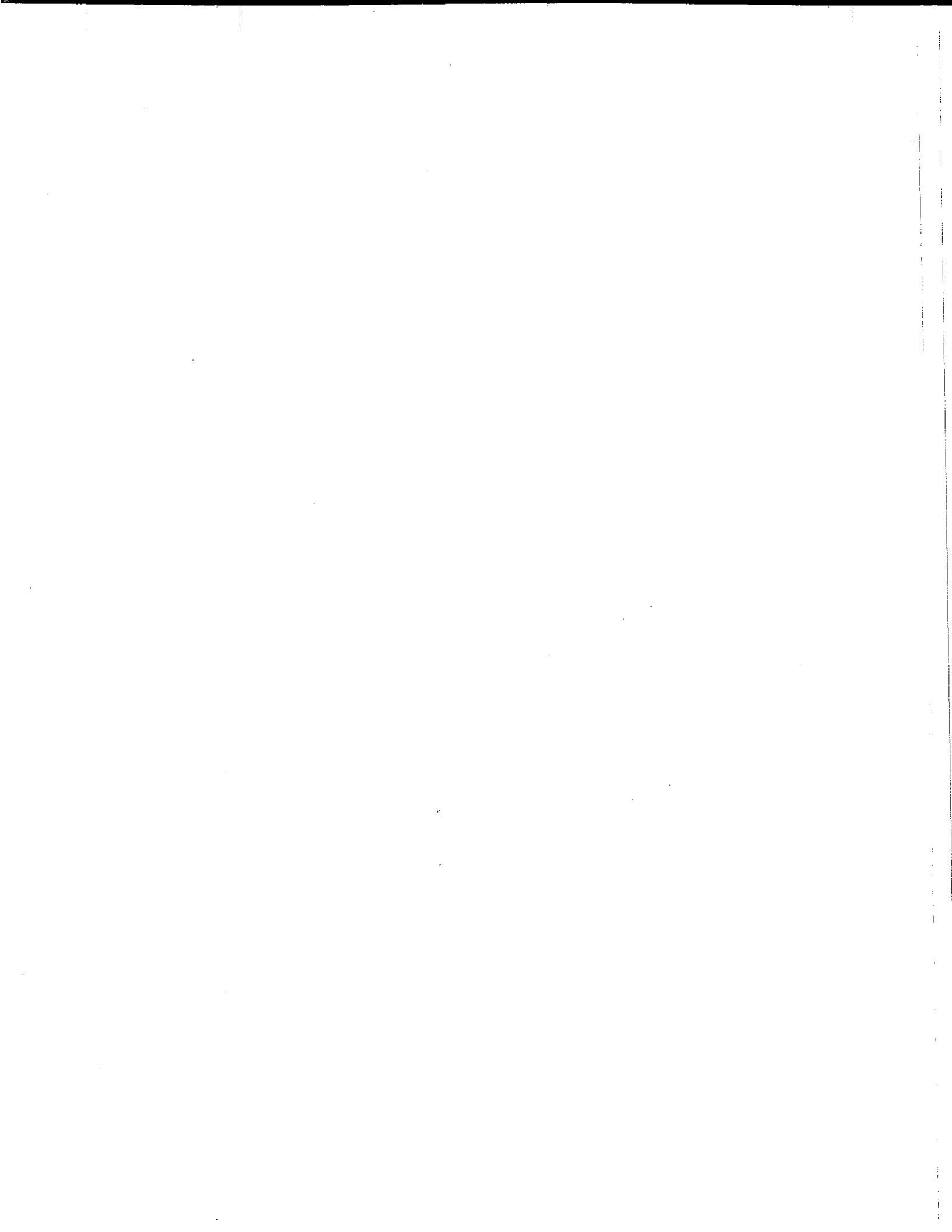
Project Director for the investigation and design of the New Albany Street Interceptor and screening addition to the Union Park Pump Station in Boston, Massachusetts, for the Boston Water and Sewer Commission.

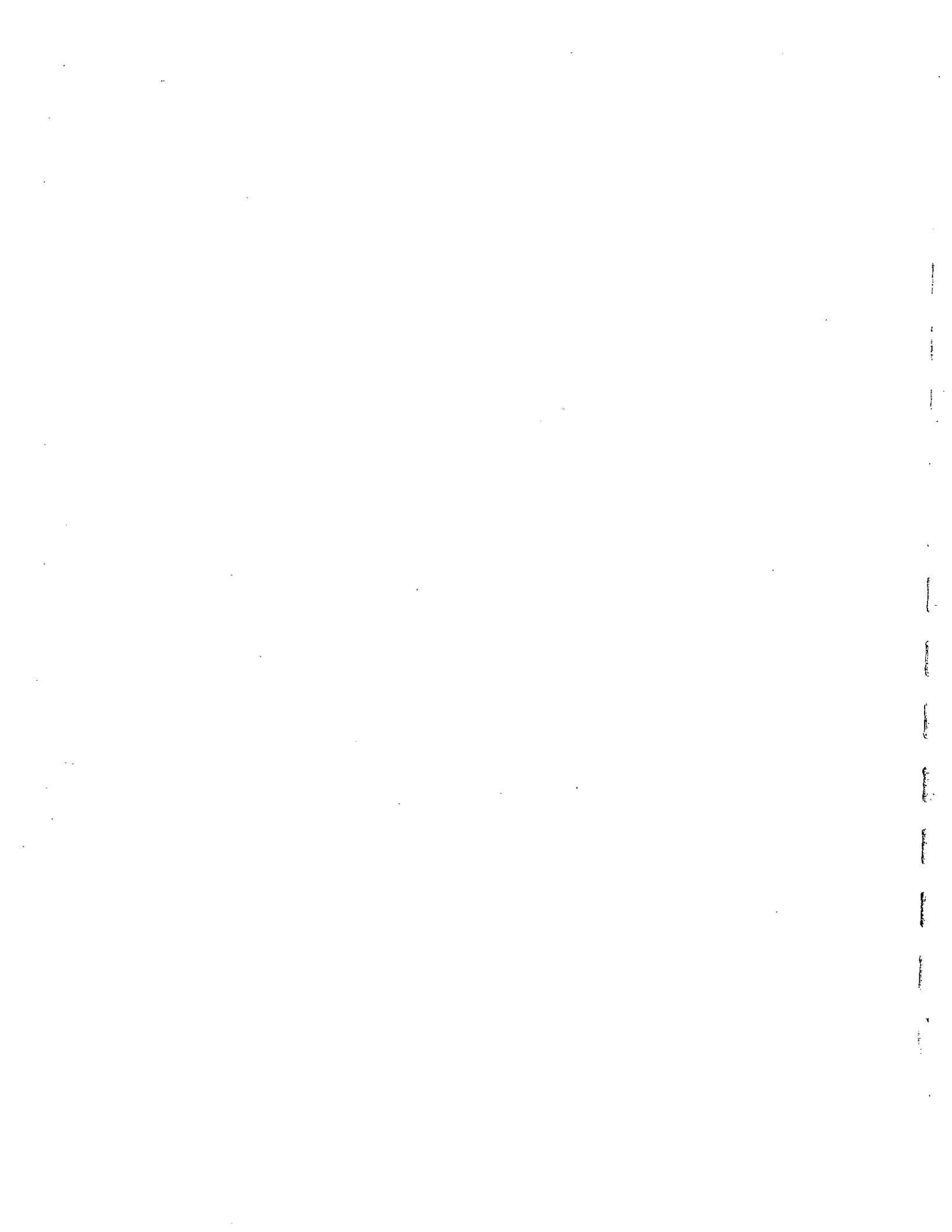
Project Engineer for the design and construction services for renovations to the Bedford Main Pump Station for the Massachusetts Water Resources Authority (MWRA).

Project Manager for the design and construction of 35,000 linear feet of lateral sewers in Stoughton, Massachusetts. The project includes the design of two pump stations and force mains.

Project Manager for the design and construction of 30,000 linear feet of lateral sewers in Amesbury, Massachusetts. This project included three pumping stations, pressure sewers, and grinder pumps for a recreational lake.

Project Manager responsible for the design of 165,000 linear feet of lateral sewer, interceptors, and pumping stations in Bedford, Massachusetts.





GEORGE D. NASLAS, PG, LSP

Site Assessment

Background

2011-Present
Vice President
Weston & Sampson

2004-2011
Associate
Weston & Sampson

2000-2004
Project Manager/Team Leader
Weston & Sampson

1997-Present
Project Manager
Weston & Sampson

1996-1997
Senior Hydrogeologist
Weston & Sampson

1993-1996
Project Hydrogeologist
Weston & Sampson

1993
Manager of Site
Assessment Services, EnviroBusiness,
Inc.
Cambridge, Massachusetts

1990-1991
Master of Science Student
Research Assistant,
Infiltration Studies - Lake Tahoe Basin

1990
Field Technician
Water Research and
Development, Inc., Reno,
Nevada

1989-1990
Research Assistant
University of Nevada, Reno
Crop Water Requirement
Study
Fernley, Nevada

1985-1988
Geologist
UNOCAL (UK) Ltd.
Sunbury on Thames,
Middlesex, UK

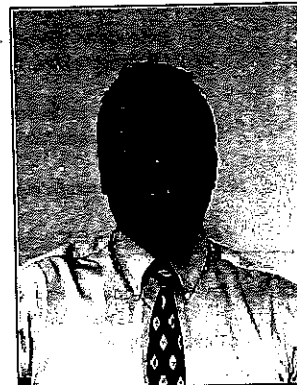
Education

1991
Master of Science
Hydrology/Hydrogeology
University of Nevada

1985
Bachelor of Science (Honors)
Geology
Royal School of Mines
Imperial College of Science,
Technology, and Medicine
University of London

EXPERIENCE

Mr. Naslas has 28 years of experience, 24 in the environmental industry and an additional three years' experience as an exploration geologist for a petroleum company. Mr. Naslas is our Practice Leader for Environmental Services, responsible for developing and growing environmental services across the company. Mr. Naslas also leads our Brownfields Developments, as well as our demolition services practices. He has completed over 200 Phase I and Phase II assessments, and evaluated remedial feasibility studies under Phase III. He has worked on all phases of the Massachusetts Contingency Plan (MCP), including Immediate Response Actions (IRAs) and Remediation Action Measures (RAMs). Mr. Naslas has managed soil and groundwater remediation projects and has been involved in the operation and maintenance and upgrade of treatment systems. He has written plans and specifications, and provided construction oversight for numerous remediation and demolition projects. He has performed comprehensive site assessments and hydrogeological investigations at several landfills in New England. Mr. Naslas has worked on hazardous waste and water supply projects throughout New England and in California, Nevada, Pennsylvania, and Washington.



Mr. Naslas has also provided environmental training and completed facility compliance audits that involved stormwater/NPDES permitting, and SARA Title III-Form R and OSHA compliance. He has provided Brownfields workshops and presented at the National Brownfields Conference, the UMASS Soils Conference, the New England Environmental Expo, Build Boston, as well as regional presentation in Florida. In addition, Mr. Naslas has conducted Peer Review assessment of hundreds of environmental reports for a billion-dollar commercial bank transaction of sites throughout the United States.

SPECIFIC PROJECT EXPERIENCE

Project Manager for an EPA-funded assessment grant to evaluate waste sites in two minority neighborhoods in Springfield, Massachusetts. The projects included site assignment, Phase I and Phase II ESAs, building assessments, and community outreach. In 2002 and 2003 Mr. Naslas also managed an EPA Brownfields contract to evaluate a mill site in Springfield. Both sites required Quality Assurance Project Plans (QAPPs) and remedial cost estimates.

Mr. Naslas is Project Manager for all Springfield projects including landfill monitoring, MCP compliance and LSP services, assessment, demolition, and remediation. He is part of the Brownfields task force team to redevelop the 56-acre Chapman Valve site, one of Governor Patrick's five priority Brownfields sites in the Commonwealth.

LSP for the City of New Bedford Brownfield Assessment and Cleanup Program funded through an Environmental Protection Agency (EPA) Brownfield Assessment Grant. The projects consisted of numerous response actions under the MCP including site assessments, risk characterizations, immediate response actions, release abatement measures and other services at several former manufacturing facilities.

Brownfields Program Manager for an EPA-funded city-wide inventory and assessment program for the City of Lawrence. The program included identification of suitable sites, inventory, community outreach, and Phase I and Phase II environmental site assessment.

GEORGE D. NASLAS, PG, LSP

Site Assessment

Professional Registration

Licensed Site Professional:
Massachusetts No. 6524

Professional Geologist:
New Hampshire No. 00185

Professional Geologist:
Tennessee No. 4357

40-hr OSHA Training Certified

Professional Societies

Licensed Site Professional Association
Rhode Island Society of
Environmental Professionals

Papers & Publications

Naslas, G.D., et al, "Effects of Soil Type, Plot Conditions, and Slope of Runoff and Interrill Erosion of Two Soils in the Lake Tahoe Basin," published by American Water Works Association in *Water Resources Bulletin*, Vol. 30, No. 2, pp 319-328.

Naslas, G.D., et al, "Sediment, Nitrate, and Ammonium in Surface Runoff from Two Tahoe Basin Soil Types," published by American Water Works Association in *Water Resources Bulletin*, Vol. 30, No. 3, pp 409-417.

Senior professional on an EPA Coalition Grant between the Metropolitan Area Planning Council and the Cities of Peabody and Salem, Massachusetts. Weston & Sampson is managing the overall program for the coalition partners. This program includes area-wide planning along the North River Corridor, including the development of a Brownfield inventory, site pre-characterization, community outreach, Phase I and II assessments, reuse planning, quarterly reporting, as well as updates of EPA's ACRES database.

Team Leader for the City of Lowell's Brownfields Program.

Brownfields Project Manager for an EPA-funded environmental site assessment program for the Franklin Regional Council of Governments, which serves 26 towns in Franklin County, Massachusetts.

Deputy Project Manager for an \$800,000 task order contract at multiple sites including former state hospital facilities for the Division of Capital Asset Management. This project involved subsurface investigations; MCP-compliance; Tier Classifications; IRAs, RAMs, Response Action Outcomes (RAOs), and Activity Use Limitations (AULs); confined space entry; compliance audits, including identification of asbestos containing material and lead-based paint; underground storage tank (UST) audits and removal oversight; hazardous material audits and inventory; wastewater plant decommissioning; and preparing and implementing IRAs

Mr. Naslas was project manager for a Phase I ESA at the I4C2 parcel as part of the City of Gloucester's Harbor Master Plan. The parcel is a waterfront with hundreds of years of former industrial and commercial use. Mr. Naslas worked with the City and their acquisition team on this project.

Brownfields Program Manager for an EPA-funded transit oriented development for the City of Revere. The program included identification of suitable sites, inventory, community outreach, and Phase I and Phase II environmental site assessment.

Deputy Project Manager for a \$750-million Brownfields project in support of the new Boston Convention Center. This project, conducted on behalf of the Boston Redevelopment Authority (BRA), included site assessment and remedial cost estimates of approximately 60 parcels prior to their acquisition by BRA. Mr. Naslas coordinated all field work including site inspections, geophysical surveys, test pit and soil borings, soil and groundwater sampling, and building inspections. He was responsible for emergency response and coordination of reportable releases with DEP, as well as remediation of PCB and lead impacted soils.

Project Manager for a multi-million dollar site assessment and remediation task order for the Volpe Center of the Department of Transportation. The task orders included Brownfields site assessments, remediation cost estimates, lead and asbestos survey and abatement, risk characterization, and building demolition and remediation.

Project Manager for the BRA's multi-million dollar PCB and heavy metal remediation project in conjunction with the Boston Convention and Exhibition Center. Mr. Naslas was responsible for design and implementation of this ACEC award-winning project that included an indirect thermal desorption and stabilization remedial system, including construction of an engineered cap and stormwater management. Mr. Naslas coordinated with DEP and EPA and assisted in the public participation process.

FRANK RICCIARDI, PE, LSP

Remediation

Background

2014-Present
Vice President
Weston & Sampson

2010-2014
Senior Associate
Weston & Sampson

2007-2010
Team Leader
Weston & Sampson

2002-2007
Project Manager
Weston & Sampson

2001-2002
Project Manager
Jacques Whitford, Co.

1993-2001
Project Manager
Arthur D. Little, Inc.

1992-1993
Engineering Intern
MWRA

Education

1998
Master of Science
Environmental Engineering
Tufts University

1993
Bachelor of Science
Civil Engineering
Worcester Polytechnic Institute

Professional Registration

Licensed Site Professional:
Massachusetts No. 5586

Professional Engineer:
Massachusetts No. 41689

Certified Mold Remediator, IAQA
Certified Operator - Industrial
Wastewater Systems Grade 4I:
Massachusetts

Professional Certifications

8-Hour Health and Safety
Refresher Training
40-Hour OSHA Health and Safety
Training

Papers & Publications

2014
Fourth Biennial Southeastern InSitu
Soil and Groundwater Remediation
Conference
"AEG REDOX", Raleigh, NC

EXPERIENCE

Mr. Ricciardi is a registered Professional Engineer and Licensed Site Professional with over 20 years of experience in project management, environmental engineering, remediation system design, and hazardous waste site assessments. Mr. Ricciardi has extensive experience in the design, installation, and operations and maintenance (O&M) of remediation systems (groundwater and soil). He has managed the remediation of US Environmental Protection Agency (EPA) Superfund sites and Massachusetts hazardous waste sites including the US Army's Soldier Systems Center in Natick, Massachusetts; the abandoned Elizabeth Mine Superfund Site in central Vermont; and several Massachusetts Bay Transportation Authority (MBTA) heavy maintenance facilities in Massachusetts.



SPECIFIC PROJECT EXPERIENCE

Senior Technical Reviewer for the Former Gemini Manufacturing Facility Remediation Project in Springfield, Massachusetts. This project includes the excavation, sampling, and disposal of over 1,500 tons of petroleum impacted soils and treatment of pumped groundwater at the formerly demolished manufacturing complex. Mr. Ricciardi managed the site assessment activities and remediation. Mr. Ricciardi provided senior technical review of the construction plans and specifications for public bidding of this site.

Senior Technical Review of contract bid documents and cost estimates for the demolition of a former electroplating facility in the Roxbury section of Massachusetts. Project work includes abatement of lead paint, asbestos, and PCB-impacted building materials. Also, a pilot scale study for groundwater remediation of a chlorinated solvent plume via in-situ chemical reduction was designed. A Beneficial Use Determination (BUD) was also prepared for this project for the onsite reuse of slightly impacted building materials. Contract documents were completed on budget and all project deliverable dates were met. Responsible for assisting the client in contract bidding, bid review, and bid award procedures. Currently responsible for senior assistance with construction oversight and administration.

Managed the remediation of the EPA Region 1 Superfund site at the U.S. Army Soldier Systems Command (SSCOM) in Natick, Massachusetts. Mr. Ricciardi managed the design, installation, and O&M, of the groundwater remediation system consisting of a 200 gallons per minute (gpm) remediation system for the removal of dissolved chlorinated solvents including PCE, TCE, and DCE. The design incorporated the use of numerous years of environmental data collected from the Remedial Investigation and utilized computer-modeling software to evaluate hydrogeologic and chemical data. Mr. Ricciardi designed a process unit and evaluated the need for metal treatment processes, including multi-media filters, ion exchange and precipitation.

Project Manager for Phase IV Remediation design/construction phase services and Phase V Remedial Operation Status services associated with a \$5.7 million multiphase extraction system at an MBTA Bus Garage in Boston. The Site is located in an urban area of South Boston with a myriad of subsurface utilities and complex stratigraphy within a confined aquifer. The UST release resulted in over seven feet of diesel fuel light non-aqueous phase liquid (LNAPL) within the source area and downgradient LNAPL migration to a stormwater pump station. The remedial design consisted of the installation of 27 extraction wells, two satellite pump stations to recover migrated LNAPL prior to the stormwater pump station, oil/water separation, carbon filtration, and a metals precipitation system consisting of flocculation/coagulation and a plate filter press.

Weston & Sampson

Papers & Publications

- February 2012
Ricciardi, F;
"PCBs in building materials,"
New England Real Estate Journal
- 2010
EPRI MGP Remediation Conference
"Keeping the Power On: MGP
Remediation at an Active Electrical
Switching Facility", San Antonio, TX
- 2009
EPA National Brownfields Conference
"Another Bright Idea: Incorporating
Solar Energy Production into
Brownfields Projects"
New Orleans, LA
- 2009
EPA National Brownfields Conference
"Deconstruction - Reuse and Recycling
of Building Materials in Brownfields
Redevelopment"
New Orleans, LA
- 2008
National Brownfields Conference
"Mercy, Mercy Me - What are going to
do with these PCBs" Detroit, MI
- 2006
Ricciardi, F, "PCB Remediation on a
High Hazard Dam" presented at The
22nd Annual International Conference
on Soils, Sediment and Water -
Univ. Mass. - Amherst, MA
- 2006
Ricciardi, F, "Actual Versus Apparent
LNAPL Thickness - How Much is
Really There" presented at The 22nd
Annual International Conference on
Soils, Sediment and Water -
Univ. Mass. - Amherst, MA
- 2006
Ricciardi, F, "Obtaining Representative
PCB Site Data - Overcoming Common
Field and Analytical Pitfalls" presented
at The 22nd Annual International
Conference on Soils, Sediment and
Water -
Univ. Mass. - Amherst, MA
- 2006
Ricciardi, F, "Dual Phase Extraction
Well Installation for Optimal Product
Recovery in a Complex Stratigraphy"
presented at The 22nd Annual
International Conference on Soils,
Sediment and Water -
Univ. Mass. - Amherst, MA

Project Manager for the design, installation, operation and maintenance of a groundwater remediation system at the new ambulatory care center for the Boston Medical Center. The project required groundwater dewatering treatment to remove semi-volatile organics, heavy metals including cadmium and chromium. The system utilized equalization, particulate filtration, and zeolite filters for heavy metals removal and carbon filtration. The treatment system was operated in accordance with Massachusetts Contingency Plan (MCP) and Environmental Protection Agency (EPA) Remediation General Permit standards.

For an MBTA Bus Garage located in Lynn, Massachusetts, Mr. Ricciardi designed and built an emergency IRA remedial system to prevent a Condition of Substantial Release Migration. The treatment system consisted of vacuum-enhanced product recovery with groundwater depression. This system operated for nearly three years and recovered over 4,500 gallons of LNAPL. Mr. Ricciardi also managed the Phase II Comprehensive Site Assessment, Phase III Remedial Alternatives Plan, Phase IV permanent remediation system design/construction phase services, and Phase V Remedy Operation Status services for this Site. The Site is located in an urban area of Lynn approximately 50 feet from private residences. The UST release resulted in over three feet of diesel fuel LNAPL within the service area and downgradient LNAPL migration to a public street. The permanent remediation system consists of a \$1.7 million multiphase extraction system with oil/water separation, carbon filtration, and a catalytic oxidizer for vapor phase treatment.

Program Manager for the Cleanup of the Medfield State Hospital Campus, which involves activity at eight separate areas and will be carried out prior to transfer of property and redevelopment. The land consists of approximately 94.2 acres to be transferred to a developer chosen by a public bidding process. The redevelopment will be guided by a reuse plan and includes rehabilitation of much of the campus and the construction of several new buildings to provide 440 dwelling units and approximately 41,000 sf of office and community center space.

Mr. Ricciardi managed the field installation, development, and testing of the first horizontal wells used for environmental remediation at the Rocky Mountain Arsenal Superfund site. This project completed for the U.S. Army Corps of Engineers Waterways Experiment Station was an experimental study on the use of horizontal wells for groundwater extraction and ex-situ treatment. This project focused on groundwater recovery from the intersection of three separate plumes on the South Plants of the Arsenal. Mr. Ricciardi installed, tested, and operated the groundwater treatment system which consisted of liquid/vapor phase carbon absorption, iron/heavy metal precipitation, activated aluminum adsorption for fluoride removal, and particulate filtration.

Conducted numerous Comprehensive Site Assessments for Superfund and municipal sites. Mr. Ricciardi routinely utilizes innovative field-screening technologies to streamline site assessments and lower costs. He has authored numerous assessment work plans, health and safety plans, and Quality Assurance/Quality Control (QA/QC) plans associated with the following sites:

- U.S. Army Fort Devens
- U.S. Army Soldier Systems Center
- Ottati and Goss Superfund Site
- Elizabeth Mine Superfund Site
- U.S. Navy Construction Battalion Center and
- Rocky Mountain Arsenal - South Plants Superfund Site

Project Engineer responsible for monthly inspection, maintenance, and quarterly sampling of a groundwater remediation system for a commercial client. A fire had caused several USTs to explode spilling their contents of various oils, paint thinners, and other chemicals. Mr. Ricciardi authored annual reports and memoranda for DEP on the system's effectiveness and the groundwater's contaminant concentrations.

MARIE GUILLES

Risk Assessment

Background

2013-Present
Risk Assessment Specialist
Consultant
Weston & Sampson

2007-2013
Risk Assessment Specialist
Consultant
Guiles Risk Assessment Services, LLC

2006-2007
Senior Risk Assessor
CarriageHouse Consulting, Inc.

2004-2006
Risk Assessment Manager
AMEX Earth & Environmental
Limited

2000-2004
Risk Assessment Department Head
Geologic Services Corporation

1994-2000
Risk Assessment Specialist/Scientist
GZA GeoEnvironmental

Education

1994
Bachelor of Science
Toxicology
Northeastern University

EXPERIENCE

Ms. Guiles has over 18 years experience in environmental consulting. In 2007, Ms. Guiles started Guiles Risk Assessment Services, LLC, to provide her risk assessment, regulatory, and toxicological expertise to clients in the environmental consulting field. For the past 18 years, she has managed and conducted human health risk assessments at state regulated sites (primarily in Massachusetts, but also throughout New England, Ohio, New York, and other states), CERCLA and RCRA hazardous waste sites. She has performed risk assessments of petroleum refineries, former manufactured gas plants, operating industrial facilities, landfills, and various petroleum and chlorinated solvent spill sites. In addition, she has derived risk-based clean-up criteria for numerous sites and is experienced in providing recommendations for deed restrictions.

Ms. Guiles continues to maintain her risk assessment expertise through her involvement with the Licensed Site Professional Association (LSPA). She is also a founding member of the Town of Stow, MA Energy Working Group; a volunteer group that is in the process of performing energy audits of the Town of Stow's public buildings.

Ms. Guiles has been involved with numerous risk assessments conducted under federal programs, the Massachusetts Contingency Plan (MCP) and risk assessments conducted for other state-lead programs. These include baseline risk assessments, derivation of risk-based clean-up levels, risk assessments to evaluate the effectiveness of remedial actions, development of risk-based sampling plans for site investigations, and risk calculations in support of deed restrictions.

SPECIFIC PROJECT EXPERIENCE

Risk Assessment and Environmental Work performed while at Guiles Risk Assessment Services, LLC:

Scrap Metal Facility, Clinton, MA

Managed and prepared a Method 3 human health and ecological assessment that was completed in accordance with MCP. Estimated noncancer risks for employees and construction workers exceeded MADEP Risk Limits and clean up values were calculated for lead, arsenic and polychlorinated biphenyls (PCBs) present on the property in soil, groundwater, sediment and surface water. Major constituents of potential concern (COPC) at the site included lead, arsenic, zinc and other metals, petroleum, and RCB's associated with the current and former use of the site as a scrap metal reclamation facility. Ms. Guiles evaluated potential exposure pathways using site-specific exposure assumptions and variables. A number of potential receptors were quantitatively evaluated including employees that work on the property, local residents/trespassers, and construction/utility workers.

Gasoline Tanker Overturn and Resulting Fire, Everett, MA

Managed and prepared a Method 3 human health and ecological assessment that was completed in accordance with the MCP and prepared the data validation report for the large data set (over 300 soil, groundwater, sediment, surface water, and soil vapor samples) at the Site. Noncancer and cancer health risks were estimated for multiple construction workers assumed to be exposed to soil, groundwater and soil vapor in various areas of the subject site as well as local resident that may walk through the site area. Environmental concerns were addressed with a Stage 1 ecological risk assessment. The gasoline release affected sediment and surface water of the near-by Malden River. Major constituents of potential concern (COPC) at the site included

MARIE GUILLES

Risk Assessment

gasoline constituents associated with the release that occurred when the tanker truck overturned at a rotary resulting in a fire that burned down several residential apartment buildings in the area.

Former Metal Plating Facility, Attleboro, MA

Managed and prepared a Method 3 human health and ecological assessment that was completed in accordance with the MCP. Due to the concentrations of chlorinated volatile organic compounds (VOCs) detected in indoor air of the on-site building, an Imminent Hazard was also performed. Major constituents of potential concern (COPC) at the site included chlorinated VOCs associated with the former use of the site as a metal plating facility. Ms. Guiles evaluated potential exposure pathways using site-specific exposure assumptions and variables. The revised unit risk toxicity values were incorporated into the risk calculations. A number of potential receptors were quantitatively evaluated including employees that work on the property and construction/utility workers. Potential risks to employees working in the three down-gradient buildings were also evaluated.

Former Jewelry Manufacturing Facility, Attleboro, MA

Managed and prepared a Method 3 human health and ecological assessment and an Imminent Hazard assessment that were completed in accordance with the MCP. Major constituents of potential concern (COPC) at the site included chlorinated VOCs, metals and cyanide associated with the former use of the site as a jewelry manufacturing facility. Ms. Guiles evaluated potential exposure pathways using site-specific exposure assumptions and variables. The revised unit risk toxicity values were incorporated into the risk calculations. Potential receptors that were quantitatively evaluated included employees that work on the property and construction/utility workers. Potential risks to residents in down-gradient buildings were also evaluated. Ms. Guiles prepared the language for the AUL that was submitted in conjunction with this report.

Gasoline Filling Station, Hanover, MA

Managed and prepared a Method 3 human health and ecological assessment that was completed in accordance with the MCP. Major COPC at the site included VOCs and volatile petroleum hydrocarbons (VPH) fractions in soil and groundwater associated with leaking pipes in the former dispensing island. Ms. Guiles evaluated potential exposure pathways using site-specific exposure assumptions and variables. Potential receptors were quantitatively evaluated including hypothetical future on-site residents and construction/utility workers. This Site is located in a Zone II area and met the criteria in regulations 310 CMR 40.924(b)(3) and 310 CMP 40.0926(8). Thus, no potential exposure existed and the groundwater exposure point concentrations were set at zero for comparison of oil related constituents to drinking water standards.

Industrial Facility, Hudson, MA

Managed and prepared a Soil Evaluation/Imminent Hazard Evaluation/Clean-up Value report in response to the detection of elevated concentrations of metals including arsenic, lead, and zinc in soil and groundwater during a site investigation in preparation for a real estate transaction. Upon completion of remedial activities, Ms. Guiles completed a Method 3 human health and ecological assessment in accordance with the MCP. Ms. Guiles evaluated potential exposure pathways using site-specific exposure assumptions and variables. Potential receptors were quantitatively evaluated including on-site employees, trespassers, and construction/utility workers. Specific attention was paid to the trespasser receptor because there was evidence of use of the Site by trespassing children. Ms. Guiles prepared the language for the AUL that was submitted in conjunction with this report.

DEAN L. GROVES, PE

Vice President/Transportation

Background

2015-Present
Vice President/Transportation
Weston & Sampson

2012-2015
Vice President
Strategic Business Development
URS Corporation

2005-2012
President/Chief Executive Officer
Fay, Spofford & Thorndike, Inc.

2001-2005
Executive Vice President
Fay, Spofford & Thorndike, Inc.

1996-2001
Senior Vice President/
Branch Office Manager
Fay, Spofford & Thorndike, Inc.

1974-1996
Various Positions, Engineer-Associate
Fay, Spofford & Thorndike, Inc.

Education

1986
Master of Science
Civil Engineering, Transportation
Northeastern University

1974
Bachelor of Science
Civil Engineering
Lowell Technological Institute

Professional Registration

Professional Engineer:
Massachusetts No. 33782 (1986)
New Hampshire No. 6796 (1987)
Maine No. 5517 (1986)
Rhode Island No. 5349 (1989)
Florida No. 79664 (2015)

Professional Affiliations

American Society of Civil Engineers
American Public Works Association
American Council of Engineering
Companies
Boston Society of Civil Engineers
Institute of Transportation Engineers
The Engineering Center Education
Trust, Board of Trustees (Chairman)

EXPERIENCE

Mr. Groves' specialties include project management and planning, impact evaluation, and permitting of diverse projects, primarily in the transportation field. In addition to numerous joint federal/state EIS/EIRs and environmental permit applications, he also manages municipal engineering services for a range of projects. The following is representative experience gained over his nearly 40-year career.

SPECIFIC PROJECT EXPERIENCE

City of Boston Public Works Department (BPWD), On-Call Street Overview Services, Boston, MA. Served as Principal-in-Charge for several consecutive multi-year contracts to function as an extension of BPWD's Engineering Division staff in the performance of Street Overview Services throughout the city. These term contracts entail providing a range of services from functioning in a peer review role to providing engineering services in conjunction with specific projects, to providing emergency response services. Examples of assignments include civil engineering design of various roadway and sidewalk capital improvement reconstruction projects throughout the city; traffic operational improvements to address pedestrian and vehicular safety; street lighting upgrades; structural/retaining wall evaluations and designs to address integrity; Public Improvement Commission (PIC) filings and presentations; peer review of designs by others; contract administration; coordination with city, state, and federal agencies.

Special On-Call Statewide Environmental Services, MassDOT. Served as Project Manager and/or Principal-in-Charge for specialized environmental permitting and related assignments to assist the agency with its annual highway and bridge program. Over the course of the many contracts, performed dozens of task orders to advance the nearly \$6 billion program of improvements. Projects involved permits and variances under the Massachusetts Wetlands Protection Act, US Army Corps of Engineers S.404 permits, S.401 Water Quality Certifications, Chapter 91 licenses, Coast Guard permits, Section 106 (Historic) and Section 4(f)/6(f) (parklands) permits, Environmental Assessments/Environmental Impact Statements (NEPA), Environmental Notification Forms/Environmental Impact Reports (MEPA), etc.

Special On-Call Statewide Asbestos Management Contract, MassDOT. Principal-in-charge for this fast paced three year term contract involving in excess of 60 assignments for pre-demolition characterization of materials, including asbestos, mold, etc. Sites included bridges, toll plazas, acquired private properties, etc.

Pleasant Street, Malden, MA, Malden Redevelopment Authority. As Principal-in-Charge, directed the preparation of final design plans, specifications and cost estimates for a MassDOT administered urban roadway rehabilitation of a once thriving retail and commercial district along Pleasant Street and provision of both sidewalk and lighting enhancements in the downtown Malden area. The work includes improved pedestrian connections and streetscape amenities to help stimulate social/economic benefits in the CBD area.



DEAN L. GROVES, PE

Vice President/Transportation

Malden Redevelopment Authority, On-Call General Engineering Consulting Services. Served as Principal-in-Charge for numerous public infrastructure planning and design services assignments throughout the city of Malden. Assignments include multi-purpose park rehabilitation projects, with synthetic surface to support baseball, soccer, etc. and have included all civil, structural lighting, and landscaping elements of the improvements, in addition to grant administration. Also, parking and traffic operations analysis of proposed improvements.

On-Call Engineering and Construction Management Services, Boston Public Works Department. Principal-in-Charge for on-call engineering and construction management services throughout the city. Working closely with the Highway Division to manage the reconstruction and repaving of many miles of roadway, developed management system to efficiently manage constituent complaints and resolution of same regarding utility trench cuts and other defects in the travelway. Also, inventory and evaluation of hundreds of pedestrian ramps for compliance with Architectural Access Board requirements, and design for reconstruction to achieve compliance.

Kendall Square Redevelopment Area, Cambridge Redevelopment Authority. Served as Principal for services to support the Authority in all respects regarding engineering services for the urban renewal of Kendall Square. For 15+ years, Mr. Groves led a team that reported annually on traffic, parking, and mode share tenant surveys for the Kendall Square Redevelopment Area.

Air Force Road Reconstruction, Everett, MA. Principal-in-Charge for planning, design, and construction services in connection with extension of the roadway to facilitate access to new development in Everett, as part of the River's Edge project.

Statewide On-Call Environmental Consultant/Infrastructure Projects, Connecticut Department of Public Works. Principal-in-Charge of on-call services contract. Under this contract, Mr. Groves was responsible for the preparation of specialized wash rack design facilities at the Connecticut National Guard facilities in Hartford and Norwich. Projects included all civil engineering, mechanical, and environmental permitting to comply with CTDEEP requirements. Services also included the design of oil/water separators, shop drawing reviews, and construction inspection/certification of compliance with permit requirements.

Downtown Revitalization Peer Review, Quincy, MA. As Project Manager, led the performance of peer reviews for a \$1 billion redevelopment of downtown Quincy. Directed the team to work with the developer and city to come up with the best solutions to meet design standards, comply with local, state, and federal regulations, and protect the city's interests.

Pavement Management Evaluations, Various Municipalities. Served as Principal-in-Charge for network-level Pavement Management Services for municipal public works departments throughout Massachusetts.

Program Management Services, MBTA. Principal-in-charge on multi-year \$15 million contract to manage the railroad upgrade and expansion projects in Central Massachusetts, including the Knowledge Corridor. Improvements included reconstruction of numerous miles of commuter rail facilities, high level platforms, parking areas, etc. Also included maintenance of overall Program schedule and management of construction. Master Services Agreement - Highways and Bridges, MassDOT. Principal-in-charge for engineering services as needed for MassDOT.

RICHARD A. CAMPBELL, PE

Structural Engineering

Background

2009-Present
Team Leader
Weston & Sampson

2008-2009
Associate
Stantec

2000-2008
Senior Project Manager
Maguire Group, Inc.

1994-1999
Project Engineer/Project Manager
Beta Group, Inc.

1989-1994
Project Engineer
Odeh Engineers, Inc.

1988-1989
Senior Project Engineer
Pare Engineering Corporation

1985-1988
Structural Engineer
DeStefano Associates

1984-1985
Structural Engineer
Flaherty Giavara Associates

1992-1996
Special Program Faculty
University of Rhode Island
College of Continuing Education

Education

1984
Master of Science
Civil Engineering
University of Rhode Island

1982
Bachelor of Science
Civil/Environmental Engineering
University of Rhode Island

Professional Registration

Massachusetts (No. 36256)
Connecticut
Rhode Island
Vermont
Maine
New Hampshire
Florida
Pennsylvania
Virginia

Professional Societies

American Society of Civil Engineers

EXPERIENCE

Mr. Campbell has over 30 years of experience in the structural engineering field and is well-versed in the design and construction of bridges, buildings and a multitude of site structures such as retaining walls, dams and light supports. Mr. Campbell has experience in working with state agencies including the Massachusetts Department of Transportation (MassDOT), Massachusetts Bay Transportation Authority (MBTA), the Massachusetts Division of Capital Asset Management & Maintenance (DCAMM), municipal clients, and private clients.



Mr. Campbell is familiar with the American Association of State Highway and Transportation Officials (AASHTO) Load and Resistance Factor Design (LRFD) Specifications, AASHTO Standard Specifications, AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires, and Traffic Signals, the Massachusetts Department of Transportation (MassDOT) LRFD Bridge Manual, and the MassDOT Standard Specifications. He is also familiar with MassDOT's AutoCAD Standards and cost estimating procedures.

Mr. Campbell has been involved in the preparation of several building designs for both new and renovation projects throughout New England including private developments, colleges and universities, power plants, public schools and libraries, and hospitals. His responsibilities on various projects range from the preliminary design and study phase through to the construction phase. Mr. Campbell is well-versed in the various State Building Codes, International Building Code and ASCE 7.

SPECIFIC PROJECT EXPERIENCE

Elevated Walkway & Ramp, Somerville, Massachusetts
Team Leader - As part of the City of Somerville's new Community Bike Path, design of a new structural steel stair and ADA compliant ramp that will allow users of the facility to get from Ludlow Street to the bike path. Design was done in accordance with MassDOT's Bridge Manual and Standard Specifications and AASHTO's LRFD Guide Specifications for the Design of Pedestrian Bridges, 2009.
Statewide Accelerated Bridge Program, MassDOT
Structural Engineer for the design, inspection and evaluation of bridges under the Massachusetts Department of Transportation (MassDOT) Accelerated Bridge Program.

Ireland Street Bridge Replacement, Chesterfield, Massachusetts
Team Leader - As part of our master service agreement with MassDOT, 25% design for structurally deficient bridge that spans approximately 80 feet across the West Branch of the Bronson Brook. Design will be in accordance with AASHTO and MassDOT bridge standards using accelerated bridge practices.

Mountain Road Bridge Rehabilitation, Charlemont, Massachusetts
Team Leader for the design of the repairs to the wingwalls, bridge rail and approaches to correct damages sustained during the tropical storm Irene. All work will be done following FEMA/MEMA protocols and MassDOT's Bridge Manual and Standard Specifications and AASHTO's Load and Resistance Factor Design (LRFD) Specifications.

Hugh Farren Pedestrian Bridge, Boston, Massachusetts - MassDOT
Project Manager - As part of MassDOT's Accelerated Program, oversaw the design for

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RICHARD A. CAMPBELL, PE

Structural Engineering

the \$1.6 million, historic bridge renovation project of a steel through-girder structural system. The bridge is a two-span continuous structure that experienced severe steel deterioration and was damaged by a vehicle collision causing damage to one of the girders. The existing steel girders were completely restored by removing and replacing the bottom flanges. The damage caused by the collision was repaired using a "heat-straightening" method. The bridge was retrofitted with ADA compliant railings. All work was done over live traffic.

Howley Street Bridge, Peabody, Massachusetts - MassDOT

Project Manager - As part of MassDOT's Accelerated Program, oversaw the design for the \$1.85 million, new replacement bridge structure that will increase the bridge span to improve the hydraulic capacity. The new bridge is a twin precast box structure that will be constructed in stages to allow for continuous flow of the North River. The project involves coordinating several utilities and will be constructed adjacent to an historic brick building and active railroad tracks.

Bridge & Culvert Assignments, Massachusetts (All projects within the last 6 years)
As Team Leader for the structural group, oversee and manage several projects to include:

- Downtown Improvements - Existing Bridge Modifications, Franklin, MA;
- Wood side Road Culvert Repairs, Winchester, MA;
- Horn Pond Brook Road Bridge, Winchester, MA;
- New Culvert Construction at McCracken Road, Millbury, MA;
- Culvert Restoration at Maple Street, Framingham, MA;
- Mill Lane and Brattle Street Culvert Replacement, Arlington, MA;
- Pedestrian Bridge repair of the Good Harbor Bridge, Gloucester, MA;
- Bridge and Guardrail improvements to the Huguenot Road Culvert, Oxford, MA;
- Harwood Street Bridge Rehabilitation, Oxford, MA;
- Dedham Street Culvert, Newton, MA;
- Bridge Street Culvert Replacement, Hamilton, MA;
- Feeding Hills Road Culvert Extension, Southwick, MA;
- Bridge Rating of the Ball Hill Road Bridge in Princeton, MA for MassDOT.

All the assignments listed above were done in accordance MassDOT standards and details.

Newman School Eastman Elevated Boardwalk & Dock, Needham, Massachusetts: Team Leader for the replacement of the existing boardwalk system that currently traverses a portion of the Eastman Conservation Area. The goals of the project include exploring ways to make primary areas of the linear pathway system (boardwalks, trails, docks, other resource area crossings) accessible using a foundation system of helical piers to minimize impacts to wetlands. The superstructure will be framed with treated lumber and 2x wood decking boards.

Cochituate Aqueduct Trail, Natick, Massachusetts: Team Leader for the design of a new boardwalk system approximately 6-feet wide, that consists of wooden sleepers (directly bearings on grade) with new heavy 2x deck boards. The trail boards will be accessible and minimize impacts to wetlands. Where required, the boardwalk will be supported by a system of helical piers to elevate above the wet areas.

Cherry Street Bridge, Halifax, Massachusetts

Project Manager - As part of MassDOT's Footprint Program (Round 3), performed inspection, evaluation, load rating and design for the replacement bridge structure. The bridge is a 2-span continuous structure, prestressed box sections, with integral abutments.

CHRISTOPHER J. PALMER, PE, GE

Geotechnical Engineering

Background

2010-Present
Project Manager
Weston & Sampson

2003-2010
Senior Project Engineer
Geotech Solutions, Inc.

2000-2003
Project Manager
GeoDesign, Inc.

Education

1999
Master of Science
Civil / Environmental Engineering
Concentration in Geotechnical
Engineering
University of Massachusetts, Lowell

1996
Bachelor of Science
Civil / Environmental Engineering
University of Massachusetts, Lowell

Professional Registration

Professional Engineer:
Massachusetts No. 49828
Oregon No. 72849PE
Washington No. 40718

Professional Geotechnical Engineer:
Oregon No. 72849PE

Professional Certifications

Radiation Safety
Nuclear Density Gauge

EXPERIENCE

Mr. Palmer has more than 17 years of specialized civil and geotechnical engineering design and management experience for a wide range of municipal, commercial, industrial and residential projects. He has coordinated and performed field investigations and laboratory testing programs; provided engineering analyses and design; prepared technical reports; and provided construction observation and administration for projects involving slope stability evaluation and stabilization, shallow and deep foundation capacity, retaining wall design, settlement analyses, preload and surcharging, shoring, storm water infiltration, pavement design, and seismic evaluations.



SPECIFIC PROJECT EXPERIENCE

Geotechnical project manager and engineer for the realignment of an on-ramp to a major state highway for a state department of transportation. Prepared project scope, coordinated field work, completed and coordinated engineering analyses and prepared a technical report including driven pile capacities and consolidation settlements associated with a thick deposit of soft compressible varved clay underlying the site. Embankments and vertical-sided fills up to 16 feet above existing grades will be constructed using Geofoam to control settlement in areas adjacent to existing structures and utilities.

Project manager for the proposed rehabilitation of Santuit Pond Dam by the Town of Mashpee, Massachusetts and the Natural Resources Conservation Service. Project included repairs to a 400-foot long earthen embankment including a new upstream riprap slope revetment, downstream mineral filter, and cast-in-place concrete spillway and fish pass structure. Prepared project scope and budget, coordinated and performed engineering analyses, evaluated permitting and site access considerations for construction, and prepared drawing and specifications for construction.

Stoneham Middle School, Stoneham, Massachusetts – Geotechnical project manager and engineer for a new two-story 50,000 square foot middle school building. Geotechnical considerations included several feet of undocumented fill, existing utilities in the proposed building footprint, and presence of environmental contaminants. Prepared project scope and budget, coordinated geotechnical and environmental field work and laboratory testing, completed engineering analyses and a technical report including recommendations for the proposed site development. Compacted stone columns were recommended for improvement of the existing fill to support conventional shallow foundations and slab on-grade and reduce potential excavation and disposal of contaminated soils. Provided the design and construction teams with geotechnical engineering support and managed observation of geotechnical related aspects of earthwork, ground improvement, and foundation construction.

Maynard High School, Maynard, Massachusetts - Geotechnical project manager and engineer for a new two-story 85,000 square foot high school building and associated site improvements including new roadway and parking areas, storm water facilities, and athletic field improvements. Prepared and managed site investigations, laboratory testing, geotechnical analyses, and technical report preparation. Geotechnical project considerations included shallow bedrock, which impacted selection of building elevations and site configuration. Managed construction monitoring and consulting services

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CHRISTOPHER J. PALMER, PE, GE

Geotechnical Engineering

throughout earthwork and foundation construction including evaluation of rock excavation volumes, vibration monitoring during rock blasting, and processing and reuse of on-site materials as structural fill.

Galvin Middle School, Wakefield, Massachusetts – Geotechnical project manager and engineer for a new two-story 90,000 square foot middle school building. Geotechnical investigations, analyses, and recommendations were provided in two phases to evaluate feasibility and provide recommendations for design. Geotechnical site considerations included undocumented fill and buried organic soils in the proposed building footprint and site development areas. Pressure injected footings were recommended for support of the building and first floor slabs. Provided the design and construction teams with geotechnical engineering support and managed observation of geotechnical related aspects of foundation construction and earthwork including over-excavation and stabilization of organic and peat soils in roadways and artificial turf athletic fields.

Provided Geotechnical Engineer support on a Brownfield site redevelopment project for the New England Youth Theater in Brattleboro, Vermont. The project included construction of a pressure injected footing supported structural slab within the footprint of a former building overlying unsuitable fill and contaminated loose sandy soils.

Geotechnical project manager for repairs to the Winery Road Bridge approach in Cavendish, Vermont. The north approach embankment and bridge abutment were washed out and undermined during flooding associated with Hurricane Irene. Provided geotechnical aspects of the design, drawings, and specifications for emergency repair of the bridge abutment, embankment reconstruction, and riprap protection of the abutment and embankment.

Geotechnical project manager and engineer for numerous projects for the Concordia University Campus Expansion in Portland, Oregon. Projects included a new three-story 74,000 square foot library building, student housing buildings, and athletic complex encompassing two city blocks, throwing sports center and maintenance facility. Completed project management, engineering analyses, report preparation and field activities from investigation through construction. Geotechnical aspects of the project included compressible near-surface soils, turf drainage, demolition and backfill of numerous residential basements, wet weather construction and stormwater infiltration.

Geotechnical project manager and engineer for a new warehouse and sales facility located in a ravine fill area on Portland's east side. Completed site investigations, engineering analyses, and provided recommendations for deep foundations, grading limitations, foundations, retaining walls and use of EPS Geofoam lightweight fill. Monitored geotechnical aspects of construction and installation of EPS Geofoam fill.

Shady Bridges (Interstate 5), Roseburg, Oregon - Geotechnical project manager and staff engineer for the replacement of ODOT Interstate 5 bridges crossing the South Umpqua River, Highway 99, and the Southern Pacific Railroad. Prepared project scope and budget, coordinated field work, completed and coordinated engineering analyses and prepared a technical report, including foundation design and earthwork associated with four highway bridges, a pedestrian viaduct, interchange roadways, hillside cuts and embankments. Foundation types included large diameter drilled shafts, rock-socketed piers, rock anchors and driven piles.

Background

2000-Present
Senior Associate
Manager of Geotechnical
Engineering Services
Weston & Sampson

1993-2000
Principal
Sr. Geotechnical/
Environmental Engineer
Camp Dresser & McKee, Inc.

1982-1993
Sr. Geotechnical Engineer/
Project Manager
Haley & Aldrich, Inc.

Education

1981
Master of Science
Civil/Geotechnical Engineering
Syracuse University
L.C. Smith College of Engineering

1979
Bachelor of Science
Forest Engineering
SUNY College of Environmental
Science and Forestry

Professional Registration

Florida No. 68764
Massachusetts No. 46681
New Hampshire No. 11194
New York No. 063131-1
Connecticut No. 0024084

Professional Societies

Boston Society of Civil
Engineers Section, ASCE
American Society of Civil Engineers
Association of Dam Safety Officials

Papers & Publications

October 1998
"Case History of a Successful
'Brownfields' Site in Wichita, Kansas,
Part 1: Innovative Approaches to
Remediation, and Part 2: Innovative
Approaches to Funding and Liability,"
Proceedings of the American Society
of Civil Engineers Convention,
Boston, Massachusetts

1988
"Underpinning of an 11-Story
Building in Boston—A Case Study,"
Second International Conference
on Case Histories in Geotechnical
Engineering, St. Louis, Missouri

MARK P. MITSCH, PE

Project Manager

EXPERIENCE

Mr. Mitsch is the manager of geotechnical engineering services for Weston & Sampson. He has over 32 years of geotechnical design and construction experience, including dam design, inspection, and rehabilitation, landfill design and construction, building foundations, tunneling, trenchless technologies, and both structural and environmental slurry walls.

SPECIFIC PROJECT EXPERIENCE

Currently managing rehabilitation design for the Babson Reservoir Dam in Gloucester, Massachusetts and Frye Pond Dam in Haverhill, Massachusetts.

Managed Phase I and Phase II design investigations for four high-hazard dams and two significant-hazard dams in Attleboro, Massachusetts. Investigations included wetland delineation, surveying, geotechnical explorations, hydrologic and hydraulic evaluations, and embankment seepage stability analyses. Managed the development and updates of Emergency Action Plans (EAPs) for the city's four high-hazard dams.

Managed Phase I inspections, Phase II design investigations and evaluations, preparation of construction documents for dam rehabilitation design, and construction oversight of repairs to the Old Water Supply Dam in Bedford, Massachusetts. The project included restoration of above-ground features of an historic 100-year-old large diameter dug well that formerly served as a public water supply well for the town.

Managed all aspects of dam evaluation, design, and construction for upgrades to two high-hazard dams impounding the water supply reservoir for the City of Cambridge, Massachusetts. Services included design and construction oversight of slide gate replacements and structural and architectural renovations to two historic gatehouses, rehabilitation of the earth embankment sections and auxiliary spillway for the Cambridge Reservoir Dam and EAP development for both the Stony Brook Reservoir Dam and Cambridge Reservoir Dam.

Managed design investigations, engineering evaluations, preparation of design documents, and construction oversight for the rehabilitation of the Santuit Pond Dam including construction of a new combination spillway and fish ladder for the dam and wetland replication design and construction. This NRCS-funded project was designated and constructed to meet both Massachusetts dam safety regulations and the NRCS federal regulations related to small dams.

Managed Phase I investigations, Phase II design investigations and evaluations, preparation of construction documents for dam rehabilitation design, and construction oversight of repairs to the Newton Pond Dam, including wetland replication design and construction in Shrewsbury, Massachusetts.

Managed a team of engineers conducting dam breach analyses to develop flood inundation maps and EAPs for over 20 dams in eastern and central Massachusetts. The EAPs were prepared in accordance with Federal Energy Regulatory Commission (FERC) Engineering Guidelines for the Evaluation of Hydropower Projects and the requirements of 302 CMR 10, the Massachusetts Dam Safety Regulations.



Weston & Sampson

Papers & Publications

October 1985

"Uplift of Helical Anchors in Sand,"
with S.P. Clemence, Uplift Behavior of
Anchor Foundations in Soil, published
as Proceedings of the American
Society of Civil Engineers Convention,
Detroit, Michigan

1981

"The Uplift Capacity of Multi-helix
Anchors in Sand," M.S.C.E. Thesis,
Syracuse University

MARK P. MITSCH, PE

Project Manager

Project Manager for a Phase I visual dam inspection project in 2008 for the Massachusetts Water Resources Authority (MWRA). Phase I inspections on 17 high- and significant-hazard dams owned by the MWRA were completed.

Managed the evaluation and design of the Lake Eden Dam project for the Vermont Department of Environmental Conservation (VTDEC). The project involved a dam safety inspection, review of all available dam information, hydrologic and hydraulic computations for determining the hydraulic adequacy of the spillway, a dam breach analysis, and development of design and construction alternatives to be implemented to bring the dam into compliance with the Vermont dam safety regulatory requirements.

Managed the evaluation, design, and permitting of repairs to the Kingman Pond Dam in Mansfield, Massachusetts. This significant-hazard dam has an approximately 550-ft. long earth embankment and a 40-ft. long concrete spillway. The dam is in poor condition; the spillway capacity is severely undersized, and the embankment is overgrown with large trees/brush. Alternatives were considered for dam rehabilitation, including dam removal. Due to a variety of site constraints and desire to maintain the dam in service, the selected conceptual design involves expanding the primary spillway length to 90 ft. with an auxiliary spillway length of 220 ft. Design and permitting are underway.

Conducted Phase II Dam Safety Inspections for 13 dams in eight communities. These projects include dam safety inspections, topographic surveys, subsurface explorations, engineering evaluations of watershed hydrology, spillway and outlet hydraulics, earth embankment stability and seepage through the embankments, and documenting the work in engineering reports. The Phase II Inspections are in response to orders issued by the Commonwealth of Massachusetts Department of Conservation and Recreation (DCR), Office of Dam Safety (ODS) to the dam owners.

Managed the design, permitting and construction oversight for the rehabilitation of the Coes Reservoir Dam in Worcester, Massachusetts. This high-hazard potential earth embankment and concrete spillway dam had severely undersized hydraulic capacity, embankments that were heavily overgrown with trees and brush, an upstream slope failure and several locations of active seepage on the downstream slope. In addition, the condition was complicated by contamination including PCB-impacted soils with concentrations that required remediation following the US EPA TSCA Regulations.

Developed an innovative design and managed construction of repairs to the Arlington Reservoir Dam in Arlington, Massachusetts. Residents were opposed to removing the trees from this 1,600-foot long earth embankment dam located in the middle of a residential neighborhood. The design included installation of an interlocking steel sheetpile wall with a reinforced concrete cap through the full length of the earth embankment from the crest of the dam. This "I-Wall" serves as the barrier to flow through the embankment and is designed to resist stability failure if trees are toppled during a storm until the embankment can be repaired. The design was approved by the DCR, ODS and successfully constructed in 2005. The design also includes a new 50-ft. wide emergency spillway constructed using reinforced concrete training walls, which are designed as retaining walls for lateral earth and water pressures as well as for support of a pedestrian bridge that spans the spillway.

Managed multiple dam safety inspection programs for the Massachusetts DCR, ODS and a variety of municipal and private clients including emergency inspections of 26 high-hazard dams in October 2005 to assess storm damage; identification of other significant maintenance and repair deficiencies; and prioritization of immediate repair needs of these structures.

Background

2010-Present
Vice President
Weston & Sampson

2000-2010
Associate
Weston & Sampson

1994-2000
Project Manager
Weston & Sampson

1986-1994
Project Engineer
Weston & Sampson

1985-1986
Environmental Engineer
Weston & Sampson

1983-1984
Engineering Aide
Weston & Sampson

Education

1984
Bachelor of Science
Civil Engineering
University of Vermont

Professional Registration

Professional Engineer:
Connecticut, Rhode Island,
Massachusetts, Vermont

Grade 3T Drinking Water Facilities:
Massachusetts

Grade 4D Drinking Water Facilities:
Massachusetts

Professional Societies

American Water Works Assoc.
New England Water Works Assoc.
Corrosion Control Committee,
Past Chair
Emergency Preparedness Committee,
Past Chair
Past Director-at-Large
Massachusetts Water Works Assoc.
Plymouth County Water Works Assoc.

Honors

Chi Epsilon
National Civil Engineering Honor
Society
Tau Beta Pi
National Engineering Honor Society

Presentations & Publications

September 18, 2006
Cook, Barbara and McNabb, John
"TOC Reduction at the Lily Pond WTP,
Cohasset, MA"
presented at the NEWWA meeting,
Danvers, Massachusetts

May 26, 2004
Cook, Barbara and Perry, Alison
"The Broadway Water Treatment Plant,
Hanover, MA"
presented at the PCWWA meeting,
Hanover, Massachusetts

BARBARA K. COOK, PE
Project Manager

EXPERIENCE

Ms. Cook leads Weston & Sampson's drinking water engineering program. She has over 30 years of experience in a wide variety of water engineering, planning, design, and construction projects. These projects include water supply development, treatment, storage, and distribution.



SPECIFIC PROJECT EXPERIENCE

Project Manager/Engineer of water system master plans and asset management for Belmont, Chelsea, Quincy, Sharon, Stoughton, and Winchester; the Abington-Rockland Joint Water Works; the Boston Water and Sewer Commission; the Dedham-Westwood Water District, the Dracut Water Supply District; and the Grafton Water District in Massachusetts; and North Smithfield and Pawtucket, Rhode Island.

Project Manager responsible for various projects for the Town of Westborough, including study, design, and construction for corrosion control of the town's seven water supplies, a 3.5-million gallon per day (mgd) conventional water treatment plant, five miles of 12- and 16-inch transmission main; redevelopment of three gravel-packed wells; and a leak detection survey.

Project Manager for the design of a 650-gallons per minute (gpm) auxiliary well pump station and associated improvements in Pepperell, Massachusetts. The project included a new well pump, upgrades to existing chemical feed systems, new piping layouts, a generator, and demolition and improvements at the existing well pump station.

Principal-in-Charge for the design and construction for improvements to a 6-mgd surface water treatment plant using upflow clarification package treatment for Southbridge, Massachusetts. The project included the addition of a third 2-mgd package unit, replacing the media in the clarifiers and filters for the two existing package units, the addition of ammonium sulfate for conversion to chloramines, and SCADA upgrades. This project received ARRA and SRF funding.

Principal-in-Charge for the piloting and design of the 1.2-mgd membrane filtration plant for Rowley, Massachusetts. This plant will treat two well sources with elevated iron and manganese levels. This SRF-funded project included submittal of an ENF and design of a new SCADA system for the entire water system. Pipe ramming will be used to cross the Mill River.

Principal-in-Charge for the design and construction of a 1.25-mg standpipe and 0.4-mg spheroid tank for the Abington-Rockland Joint Water Works. The project also included upgrades to a booster pump station and removal of two existing storage tanks. This project received ARRA and SRF funding.

Project Manager for water treatability and pilot plant studies for Cohasset, Dracut, Fitchburg, Hamilton, Hanover, Middleborough, Rowley, Rutland, Sharon, Southbridge, Westborough, and Winchester, Massachusetts; and Orono, Maine. Water tested included surface water and groundwater.

Project Manager for AMR/meter system evaluations and/or replacement programs including planning, design, and construction administration for Burlington, Nahant, Sharon, Saugus, Somerville, Newburyport, Newton, Wakefield, Wilmington, and Woburn, Massachusetts.

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Presentations & Publications

April 1, 2004
Cook, Barbara and McCarthy, Margaret
"Vulnerability Risk Reduction
Improvements for Water Systems: An
Overview" presented at the NEWWA
meeting, Worcester, Massachusetts

December 2001
Cook, Barbara; et al, "Flowcharts
for the Selection of Lead and Copper
Corrosion Control Strategies," Journal of
New England Water Works Association,
Volume 115, No. 4

October 24, 2000
Barbara K. Cook
"Competition Between Water Quality
pH, Disinfection, and Corrosion
Control in Distribution Systems,"
presented at the NH Drinking Water
Exposition and Trade Show

April 12, 2000
Cook, Barbara and Bocchino, John
"Comprehensive Evaluation and
Operations of the Dracut Water Supply
District," presented at the NEWWA
meeting, Marlborough, Massachusetts

Cook, Barbara; Silke, Christopher;
Spencer, Catherine; Eager, Karen; and
Schock, Michael, "Implementation and
Secondary Impacts of Corrosion Control
Treatment: Chicopee Water Supply and
Water Pollution Control," Journal of
New England Water Works Association,
Volume 113, No. 4

April 7, 1999
Cook, Barbara and Spencer, Catherine
"Corrosion Control: Four Success
Stories," presented at the NEWWA
Meeting Worcester, Massachusetts

April 14, 1997
Cook, Barbara; Eager, Karen; and Silke,
Christopher, "2CWATSUP-The Corrosion
Control & Analogous Water Supply
Database," presented at the NEWWA
Meeting, Marlboro, Massachusetts

December 20, 1990
"Tracer Study Considerations,"
presented at the NEWWA Meeting,
Randolph Massachusetts

April 7, 1999
Cook, Barbara and Spencer, Catherine
"Corrosion Control: Four Success
Stories," presented at the NEWWA
Meeting, Worcester, Massachusetts

April 14, 1997
Cook, Barbara; et al, "2CWATSUP-The
Corrosion Control & Analogous
Water Supply Database,"
presented at the NEWWA Meeting,
Marlboro, Massachusetts

December 20, 1990
"Tracer Study Considerations,"
presented at the NEWWA Meeting,
Randolph Massachusetts

Other

1998-2006
Water Commission
Newburyport, Massachusetts

Project Manager for water system projects in Wilmington, Massachusetts. Responsible for the design and construction of 2.5 miles of 12-inch transmission main, the renovation of the Shawsheen Avenue well pumping station, design and construction of new generators at two well stations, evaluations of ammonia removal/treatment options from well water, MPA testing, water tank inspections and improvements, chemical feed renovations at the Butters Row treatment plant, pilot testing of ammonia removal through air stripping, disinfection byproduct study, groundwater under the influence studies; design and construction of satellite wells, an upgraded SCADA system, residuals NPDES permitting, and two chloramination systems.

Project Manager for the piloting, design, and construction of a 1.4-million gallon per day (mgd) greensand treatment plant and raw water transmission mains for Hanover, Massachusetts. The plant treats water from four wells at the Broadway and Hanover Street wellfields. In addition to filtration, treatment processes include aeration and a residuals decanting tank.

Project Manager for water system projects in Stoughton, Massachusetts. Responsible for the design and construction management of five new lime-feed systems for well pump stations; 18,000 feet of water main cleaning and lining; an evaluation of treatment options for a greensand filtration plant; vulnerability assessment and emergency response plan; study, design, and construction for a satellite well; and a water system master plan.

Project Manager responsible for the design and construction for the Corrosion Control Facility and Well No. 6 Pumping Station in Blackstone, Massachusetts. Preliminary design included a corrosion control study for a system with four wells, some with elevated levels of iron and manganese.

Project Manager for the design and construction of the Concord, Massachusetts 600-gallon per minute (gpm) Robinson well, pump station, and transmission main. Extensive permitting was required, including new source approval, Water Management Act, and Army Corps Section 404. The pumping station included the addition of four chemicals.

Project Manager for the Cohasset, Massachusetts water treatment plant evaluation, which includes a 20-year capital improvement plan, design and construction of the first three phases of improvements, a security analysis, a disinfectant byproduct study, a corrosion control study, MIEEX and ozone/BAC piloting, construction of an SRF project, and design of a MIEEX pre-treatment system.

Project Manager responsible for various projects for the Dracut Water Supply District in Dracut, Massachusetts, including a comprehensive water system survey; master planning; redevelopment of seven gravel-packed wells; water conservation plan; water management act permitting and pumping tests; corrosion control study, design, and construction with SRF-funding; rehabilitation of three storage tanks and seven pump stations; and developer reviews.

Project Manager for the design of water treatment plant and raw water pump station improvements in Newport, Rhode Island. Improvements included the upgrade of the SCADA instrumentation system, the installation of variable frequency drives (VFDs) on the four raw water pumps, the replacement of a six-mgd finished water pump, and the construction of a raw water storage tank. A separate project included water storage tank painting with a mixing system.

Completed Initial Distribution System Evaluations (IDSEs) and waivers for the Dedham-Westwood Water District and the communities of Brockton, Peabody, Reading, Sharon, Stoughton, and Wilmington, Massachusetts; and New Castle, New York.

DONALD G. GALLUCCI, PE

Wastewater

Background

2006-Present
Vice President
Weston & Sampson

2001-2006
Associate
Weston & Sampson

1998-2001
Project Manager
Weston & Sampson

1989-1998
Engineer
Weston & Sampson

1985-1989
Surveyor
Guerriere & Halnon, Inc.

Education

1994
Master of Science
Civil Engineering
Northeastern University
Boston, Massachusetts

1989
Bachelor of Science
Civil Engineering
Worcester Polytechnic Institute
Worcester, Massachusetts

Professional Registration

Professional Engineer:
Connecticut
Massachusetts
Vermont
Florida No. 70431
South Carolina
Maine

Professional Societies

American Society of Civil Engineers
Water Environment Federation
New England Water Environment
Association
American Council of Engineering
Companies Program Committee
(2001-2009)
Utility Management Committee,
NEWEA

Honors

Chi Epsilon (Civil Engineering Honor
Society)
Carl F. Meyer Award (Worcester
Polytechnic Institute)

EXPERIENCE

Mr. Gallucci leads Weston & Sampson's Wastewater Engineering Group. He has more than 21 years of diverse wastewater engineering and project management experience and has assisted communities with projects addressing Infiltration and Inflow (I/I) reduction programs, regulatory compliance, sanitary sewer evaluation surveys (SSES), manhole inspection and rehabilitation, comprehensive sewer rehabilitation, trenchless construction technologies, resident inspection services, and groundwater monitoring and sampling.

SPECIFIC PROJECT EXPERIENCE

Principal-in-Charge for Sewer System Evaluation Survey (SSES) and Sewer Overflow Reduction Projects for the City of Worcester, Massachusetts. These projects involved identifying areas where Worcester could improve the management of its wastewater systems, operation and maintenance practices, ordinances and regulations, public education, and SSES to assist in alleviating sewer system overflows.

Principal-in-charge for the design of an emergency point repair of a brick sewer and underdrain in a major arterial road in Newton. The project involved replacing a 24-foot deep sewer and underdrain segment, including a 9-mgd sewer bypass, substantial groundwater and underdrain flows, and a large-scale traffic detour plan.

Principal-in-charge for the revisions of Sewer Use By-laws and Regulations in Dedham, Massachusetts. The project included the complete revision to the town's existing Sewer Use By-laws and Regulations to incorporate current regulations, update procedures and fee structures, and add new programs to protect the sewer system.

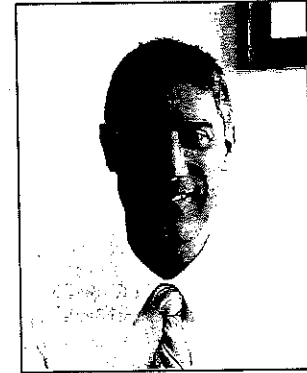
Principal-in-charge for the design of a complete road reconstruction project on Nelson and Carlisle Roads in Dedham. The project included widening the roadway and adding a new sidewalk, new sewer and drain lines, and connections to existing roadways and utilities.

Principal-in-charge for a sanitary sewer alternatives study for the Gaffney Road Area in Dedham. The project involved a feasibility and financial assessment of various sewer alternatives including a pump station, grinder pumps, and various gravity sewer configurations.

Principal-in-charge for Newton's Phase II Stormwater Permit Project. Tasks include outfall investigation and water quality sampling, dry weather flow investigation within the drainage system, investigation of underdrain/storm drain connections, city-wide drainage system mapping using GIS, and negotiations with the Environmental Protection Agency (EPA).

Principal-in-charge for the design of a public education video discussing I/I for the Town of Dedham, Massachusetts. The video discusses sanitary sewer systems, how they work and can fail, infiltration, inflow, rehabilitation methods, and costs associated with operation and maintenance.

Principal-in-charge for Phase III and Phase IV Sewer Projects in the Town of Walpole, Massachusetts. These projects involved the design of approximately 15,000 linear feet of gravity and low-pressure sewer and one pump station.



Papers & Presentations

June/July 2000

Gallucci, Donald, "Reducing Infiltration/Inflow in Wastewater Collection Systems," *Environment*, Vol. VI No. 4, p. 28

Gallucci, D., Elmer, D., and Fink, J. "Sanitary Sewer and Underdrain Separation in the City of Newton, Massachusetts," presented at the New England Water Environment Association's 2000 Annual Conference.

Gallucci, Donald G., and McIntire, Mark L., "Municipal Sewer System Preventative Maintenance," presented at a Loss Control Seminar for the Massachusetts Interlocal Insurance Association on March 9, 2004.

Gallucci, Donald G., and Nichols, Kent M., "Municipal Sewer System Preventative Maintenance," presented at Rhode Island League of Cities and Towns, 2008 Annual Conference

Principal-in-charge for stormwater engineering services for the City of Revere, Massachusetts assisting the City with stormwater outfall location, inspection, sampling, identification and mapping of stormwater outfalls by Global Positioning System (GPS), dry- and wet-weather inspection and sampling of 65 city-owned stormwater outfalls.

Principal-in-charge for the Quick Zoom Camera Program. The Quick Zoom Camera is a compact high-resolution zoom camera assembly. The video inspection equipment is useful in collecting information, identifying and prioritizing maintenance problems, and inspect hard-to-reach infrastructure without confined space entry. The camera has been used in conjunction with a manhole inspection programs, to further document the conditions of a pipeline upstream and downstream from the manhole in Worcester, Milton, Wakefield, and Chelsea, Massachusetts. In addition, inspections have been performed for Sewer Siphon Chambers in Salem, Storm Water Tide Gate Outfalls in Chelsea, and Storm Drain/Catch Basin inspections in Chelsea, Massachusetts.

Principal-in-charge for the annual Municipal Employee Training Program for the Town of Wakefield, Massachusetts. The Town of Wakefield needs to meet its requirements of the National Pollutant Discharge Elimination system (NPDES) Phase II Stormwater Permit. The Municipal Training Program must be performed to address the Pollution Prevention and Good House Keeping provision of the permit. The training included park and open space maintenance (including application of pesticides and fertilizers), fleet and building maintenance, storm drain system maintenance, new construction and land disturbance, and long term inspection procedures for structural and non-structural stormwater controls to reduce floatables and other pollutants discharged to/from municipal facilities.

Principal-in-charge for the development of a comprehensive program to eliminate an estimated 1.2 million gallons per day of infiltration in the Town of Dedham, Massachusetts. Services included the investigation, evaluation, bidding, and construction services. The scope of work included approximately 48,350 linear feet of testing and sealing water main joints, testing and sealing approximately 560 service connections, installing approximately 21,870 linear feet of cured in place pipe, installation of 1,150 of short liners, and exterior grouting and interior cementitious lining of approximately 3,250 vertical feet of manhole rehabilitation. To date, the Town of Dedham rehabilitated sources of most of the system's 2.5 mgd of observed infiltration and has gone from second to ninth place on MWRA's list of I & I contributors. Cost-effective trenchless rehabilitation was performed from the Spring of 2008 through the Winter of 2009.

Principal-in-charge for the sanitary sewer improvements at the Edgewater Industrial Park in Wakefield, Massachusetts. The sanitary sewer system was identified as having hydraulic problems that restricted wastewater flow through it. It was identified that a stormwater drain manhole was converted to a sanitary sewer manhole. As the manhole was configured, the wastewater flow into this manhole must rise to the elevation of the discharge pipe before it exits the manhole and continues downstream. The scope of work under this contract included the installation of approximately 700 linear feet of new 10-inch PVC sewers and appurtenances, while providing continuous sanitary flow to a 7-Building office park. Construction was performed during the Fall 2008 and Winter 2009.

PATRICIA L. CHESEBROUGH, PE

Technical Leader

Background

2012-Present
Technical Leader
Weston & Sampson

2004-2011
Project Manager
Weston & Sampson

2001-2004
Senior Engineer
Weston & Sampson

1999-2001
Engineer
Weston & Sampson

1995-1999
Operations Coordinator
Weston & Sampson
Services

1994-1995
Engineering Cooperative Student
Weston & Sampson

1991-1993
Environmental Inspector
State of New Hampshire
Dept. of Environmental
Services

1990-1991
Engineering Technician III, II
State of New Hampshire
Dept. of Environmental
Services

Education

1995
Bachelor of Science
Civil Engineering
Northeastern University

1990
Bachelor of Environmental Design
Urban Planning
University of Colorado

Professional Registration

Professional Engineer:
Massachusetts No. 49172
New Hampshire No. 10935

Grade 3D Drinking Water Operator:
Massachusetts No. 6498

Grade IV Wastewater Operator:
Massachusetts No. 11638R

Grade II Wastewater Operator:
New Hampshire No. 501

EXPERIENCE

Ms. Chesebrough is a Technical Leader in the firm's Wastewater Program, specializing in stormwater and wastewater infrastructure planning, evaluation, design, and construction. Ms. Chesebrough is an expert in National Pollutant Discharge Elimination System (NPDES) Phase II Permit compliance, including drainage infrastructure inventory, mapping, inspection, and sampling; development and implementation of comprehensive stormwater management plans and illicit discharge detection and elimination (IDDE) programs. With her expertise, she routinely leads stormwater/wastewater training, educational seminars, and presentations to a variety of audiences, including peers, municipal clients, and residents.



In addition, Ms. Chesebrough regularly assists clients with stormwater and wastewater enforcement activities, as well as with understanding and budgeting for future compliance needs.

SPECIFIC PROJECT EXPERIENCE

Project Manager for the Point Shirley Drainage Improvement project in Winthrop, Massachusetts. Ms. Chesebrough assisted the Town to obtain grant funding for design and construction of drainage improvements to mitigate significant flooding from storm surge in this unique coastal neighborhood with ocean on two sides. The project includes preparation/submission of a FEMA Pre-Disaster Mitigation grant application; survey and evaluation of existing conditions; capacity assessment and preliminary design report; final design and permitting, public bidding and construction administration; and grant administration and closeout.

Project Manager for the Ellerton & Arcadia Drainage Improvements project in Revere, Massachusetts. Ms. Chesebrough assisted the City to design and construct upgrades to the existing drainage system in this low-lying, flood-prone neighborhood. The work included site survey, evaluation of existing conditions, capacity assessment, multiple preliminary design alternatives, final design, and permitting, and preparation of plans and specifications for public bidding.

Project Manager for general engineering services for stormwater and wastewater in the City of Chelsea, Massachusetts. Ms. Chesebrough has been assisting the city with stormwater tasks mandated by the EPA under an enforcement order, including a Capacity, Management, Operation, and Maintenance (CMOM) assessment and corrective action plan; an IDDE program (annual dry- and wet-weather outfall monitoring, inspection/sampling of drainage infrastructure, segment isolation, and television inspection); and preparation/submission of biannual compliance reports to the EPA/DEP. She also assists the city with assessment and recommended improvements for its aging sewer and drainage infrastructure, including television inspection, prioritization, design, public bidding, and construction assistance. Ms. Chesebrough also works closely with the city to ensure compliance with existing and new requirements imposed by its NPDES permits for Phase II Stormwater and Combined Sewer Overflows, and also helps identify and prepare applications for funding through available grant and loan programs.

Project Manager for stormwater engineering services for the City of Revere, Massachusetts. Since 2006, Ms. Chesebrough has been assisting the city with a variety of

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PATRICIA L. CHESEBROUGH, PE

Technical Leader

Professional Societies

New England Water Environment
Association
New England Water Works Association
New Hampshire Water Pollution
Control Association
Water Environment Federation
WEF Awards Committee
WEF S+H Committee

Honors

1996
NEWEA Operator Safety Award

1996
WSS Award for Outstanding Service

1994
Tau Beta Pi, National Engineering
Honor Society

1986
National Leadership and Service Award

Papers & Presentations

Patricia L. Chesebrough, PE,
"Integrating the Latest Industry
Trends into Age-Old CSO Elimination"
presented at the NEWEA Integrated
Wet Weather Issues Specialty Seminar
and Exhibit; Providence, RI; October
23, 2013
(unpublished)

Patricia L. Chesebrough, PE, "CMOM
for Wastewater & Stormwater";
Massachusetts Interlocal Insurance
Agency full-day seminar; Worcester,
MA; March 2013. (unpublished)

Patricia L. Chesebrough, PE,
"Demystifying Illicit Discharge Detection
& Elimination - Success Stories and
Lessons Learned" presented at the
NEWEA Stormwater Specialty Seminar;
Hartford, CT; May 2, 2012 (unpublished)

Patricia L. Chesebrough, PE,
"Complying with Stormwater Phase 2
Requirements
Planning for the Next Permit"
presented at the Rinker Materials
Stormwater Technology Update
Workshop; Westborough, MA; May 10,
2011 (unpublished)

Kent M. Nichols, PE, Jaurice A.
Ogle, PE, Blake A. Martin, & Patricia
L. Chesebrough, PE, "Stormwater
Phase 2 Seminar: New Regulations &
Practical Approaches" presented at the
Merrimack Valley Planning Commission
Seminar; Haverhill, MA; November 17,
2010 (unpublished)

stormwater tasks mandated by the EPA under an enforcement action. She coordinated identification and mapping of stormwater outfalls, and has been managing annual dry- and wet-weather inspection and sampling of outfalls. She also evaluates sampling data and prepares compliance reports to EPA/DEP summarizing inspection and sampling; and providing a plan and schedule to investigate identified discharges of pollutants. She also manages the (IDDE) field investigation work for the city, and assists with ongoing compliance efforts.

Project Manager for wastewater and stormwater engineering services for the Town of Middleborough, Massachusetts. Ms. Chesebrough has assisted the town with understanding requirements and preparing necessary submissions to federal and state permitting authorities to ensure compliance with their NPDES Stormwater Phase 2 permit. She was also responsible for providing the town with guidance and services to implement the required best management practices, including outfall location, mapping, and pollutant loading estimates; provision of materials for public education and participation; municipal facility audits; employee training; and development and implementation of the town's stormwater management plan and IDDE plan. She led IDDE field investigations, including sampling, smoke testing, and television inspection. She also prepared a detailed breakdown of requirements, scope of work, and cost estimate to help the town to prepare for the anticipated permit reissuance.

Project Manager for a specialty stormwater seminar presented in collaboration with the Merrimack Valley Planning Commission (MVPC). The presentation was titled "Stormwater Phase 2 Seminar – New Regulations and Practical Approaches."

Stormwater Trainer for the municipalities of Chelsea, Middleborough, Rockport, Wakefield, and Woburn, Massachusetts, as well as Salem, New Hampshire. Since 2006, Ms. Chesebrough has provided annual stormwater training to municipal employees on topics including pollution prevention, good housekeeping, stormwater pollution prevention plans, sanitary sewer overflow prevention, and IDDE.

Project Manager for stormwater engineering services in the Town of Freetown, Massachusetts. Ms. Chesebrough has assisted the town with NPDES Stormwater Phase 2 permit compliance, including response to an Environmental Protection Agency (EPA) Request for Information regarding its NPDES Stormwater Phase 2 permit. As part of this effort, she assisted the town to identify compliance activities, prepare past annual reports, and initiate public education. She also assisted with the subsequent annual report, and provided a breakdown of requirements and estimate of costs for compliance with the anticipated reissuance of the stormwater permit.

Project Manager for stormwater engineering services for the Town of Wilbraham, Massachusetts. Ms. Chesebrough assisted the town with NPDES Stormwater Phase 2 permit compliance; primarily, with understanding anticipated future requirements for the permit reissuance. She prepared a breakdown of requirements and estimated costs, a written IDDE plan, and provided other resources such as tables and maps for Impervious Area, Urbanized Area, and Impaired Waters. She also assisted the town with a draft plan to reduce the extent of stormwater outfall sampling, including a GIS assessment of impervious area versus the existing municipal separate storm sewer system.

Project Manager for stormwater engineering services in the Town of Bridgewater, Massachusetts. Ms. Chesebrough was called upon to help the town respond to an EPA Request for Information regarding its NPDES Stormwater Phase 2 permit. As part of this effort, she assisted the town to identify compliance activities, prepare past annual reports, and initiate public education. She also assisted the town with subsequent annual reports and with a stormwater mapping effort.

DUANE C. HIMES, PE, PLS

Landfill Reuse

Background

2004-Present
Project Manager
Weston & Sampson

1999-2004
Program Director
Earth Tech, Inc.

1993-1999
Project Manager
Rust E&I, Inc.

1990-1993
Project Manager
Waste Management, Inc.

1985-1990
Owner
CDEC, Inc.

1980-1985
Lead Piping Field Engineer
Pullman Power Products, Inc.

1979-1980
Piping Field Engineer
Bechtel Power Corporation

1975-1979
Design Engineer
Hess Building Systems, Inc.

Education

1988
Continuing Education
Soil Science
University of New Hampshire

1975
Bachelor of Science
Civil Engineering
University of Pittsburgh, Pennsylvania

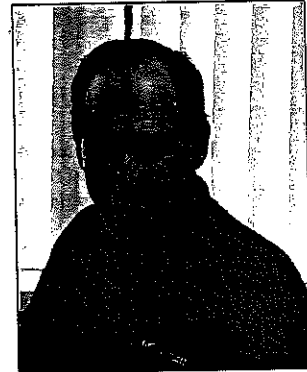
Professional Registration

Professional Engineer:
Vermont No. 18.0005109
Colorado No. 27825
Utah No. 4923228-2203
Pennsylvania No. PE040222R
Massachusetts No. 32336
New Hampshire No. 05398
Connecticut No. PEN.0017843
Maine No. 5126
Rhode Island 6044

Professional Land Surveyor:
Pennsylvania No. SU042296E

EXPERIENCE

Mr. Himes has extensive experience working on solid waste projects in New England. These projects have included landfill design and development, materials recovery facility upgrades, landfill gas recovery systems, and landfill closure systems. Landfill design and development project work includes disposal cell systems, landfill leachate management systems, landfill gas management systems, and landfill closure systems. Mr. Himes has also provided engineering services for lined landfills in Townsend, Massachusetts; Norridgewock, Maine; Rochester, New Hampshire; and Putnam, Connecticut.



Mr. Himes has experience with solid waste and landfill permitting issues, such as solid waste processing/treatment, landfill modification permits, and landfill operation permits, for both municipal and private clients. He has experience performing peer reviews for solid waste landfill projects in New England and Pennsylvania. Additionally, Mr. Himes has extensive experience designing, permitting, and reviewing other civil/environmental development projects. He is knowledgeable of the State and local regulations involving solid waste, wetlands, dams, site development, and zoning.

SPECIFIC PROJECT EXPERIENCE

Armory Street Landfill, Springfield, Massachusetts: Team leader/technical advisor performing peer review of a landfill gas management system designed to control landfill GPS migration.

Closed Landfill and Transfer Station Design & Construction and Annual Operation & Maintenance (O&M) Services: Team leader/technical advisor for this project which involved conducting landfill closure project tasks including design, permitting, and construction management of an impermeable cap and associated drainage and erosion control appurtenances for the landfill.

Soil Capping and Contaminated Wetland Sediments Remediation in Boxford, Massachusetts: Project Manager/Team Leader for sampling, assessment, risk characterization, wetlands/sediment remediation, final landfill cap design, and landfill monitoring related to the Boxford Sanitary Landfill.

Townsend Municipal Landfill, Townsend, Massachusetts: Project manager/engineer for the development of a Comprehensive Site Assessment (CSA) for the landfill. This project also included providing operation and maintenance (O&M) oversight at the operating landfill, providing operational reports for submission to the State agencies, and providing environmental monitoring of leachate lagoons, groundwater, and surface water.

Georgetown Landfill, Georgetown, Massachusetts: Project manager/project engineer for the design and permitting for the closure of the Georgetown Municipal Sanitary Landfill. Design work included geosynthetic cap design, slope stability, erosion and sedimentation management design, and landfill gas management design. Bid documents were developed for bidding purposes and contractor selection and permitting documents were submitted to state and local agencies to gain approval for construction. Permits include the closure plan, wetland permits, highway access permits, and post-closure monitoring permit. Mr. Himes was also responsible for oversight of the environmental monitoring at the landfill.

Weston & Sampson

Professional Societies

National Society of Professional
Engineers
American Society of Civil Engineers
National Council of Examiners for
Engineers and Surveyors

Additional Training

Licensed Subsurface Waste
Disposal Designer:
New Hampshire

Licensed Subsurface Waste
Disposal Installer:
New Hampshire

Licensed Site Evaluator:
Maine

Certificate, OSHA 40-Hour Trained

1910.120 for CERCLA sites
(including refreshers)

Berkley Landfill, Berkley, Massachusetts: Project manager/project engineer in the development of a final closure plan for the landfill. Design work included geosynthetic cap design, slope stability, erosion and sedimentation management design, and landfill gas management design. Bid documents were developed for bidding purposes and contractor selection and permitting documents were submitted to state and local agencies to gain approval for construction. Permits include the closure plan, wetland permits, highway access permits, and earth alteration permit.

Titcomb Pit Landfill, Amesbury, Massachusetts: Team leader/technical advisor in the development of a final design and permitting for the landfill closure. Design work included a geosynthetic cap, slope stability issues, landfill gas management system, stormwater management system, and erosion control.

Transfer Station Facility Feasibility Study and Design, Bourne, Massachusetts: Project manager for a team providing engineering and permitting services associated with the feasibility study and design for an 11,000 square foot transfer station facility to be constructed at an Integrated Solid Waste management (ISWM) processing and disposal facility.

Pottstown, Tullytown and G.R.O.W.S. Landfills, Pennsylvania: Project Manager/Technical Advisor performing peer reviews of landfill development projects for a large solid waste company. The peer reviews also included review of constructability issues to eliminate possible construction and cost overruns.

TLR-II Landfill, Rochester, New Hampshire: Project manager/technical advisor in the development of final design documents for the Turnkey Landfill of Rochester-II. Design work included a geosynthetic cap design, slope stability, stormwater management, erosion control, and active landfill gas management system design. Provided permitting documents to state agencies to gain approval for construction of the final closure system.

Putnam Ash Disposal Facility, Putnam, Connecticut: Project manager/technical advisor in the development of final design documents for the Cells 3 and 4 for the ash disposal facility. Design work included a geosynthetic baseliner and cap design, slope stability, stormwater management system, erosion control, and leachate management system design. Provided permitting documents to state agencies to gain approval for construction of the final development.

TLR-III Refuse Disposal Facility, Rochester, New Hampshire: Project manager/technical advisor in the development of final design documents for the TLR-III Refuse Disposal Facility. Design work included a geosynthetic baseliner and cap design, slope stability, stormwater management, erosion control, and active landfill gas management system design. Provided permitting documents to state agencies to gain approval for construction of the final development.

Cranston Landfill, Cranston, Rhode Island: Project manager/technical advisor in the development of final design documents for the Cranston Landfill closure project. Design work included a geosynthetic cap design, slope stability, stormwater management, erosion control, and landfill gas management design. Provided permitting documents to state agencies to gain approval for construction of the final closure system.

DANIEL G. TENNEY III, AIA

Architect

Background

2015-Present
Senior Project Manager/Lead
Architect
Weston & Sampson

2007-2015
Principal Architect
Klienfelder

2003-2006
Architect
Ranere Associates, Inc.

2001-2002
Consultant
Paul Lukez Architecture

1998-2001
Senior Project Manager
Gorman Richardson Architects

1987-1998
Partner
Larkin Tenney Architects

1984-1987
Project Architect / Project Manager
Woo & Williams, Inc.

Education

1984
Masters of Architecture
Massachusetts Institute of
Technology

1977
Bachelor of Arts
Architecture
Yale University

Professional Registration

Professional Architect:
Massachusetts
Connecticut
Maine
Colorado
Texas

Professional Affiliations

American Institute of Architects
Boston Society of Architects
American Council of Engineering
Companies (BEC co-chair)
U.S. Green Building Council
(LEED GA)
NCARB (as IDP coordinator)

EXPERIENCE

Mr. Tenney is a Senior Project Manager/Lead Architect at Weston & Sampson. He has over 30 years' experience in the design of new construction, the rehabilitation of existing structures, historic adaptation and re-use, commercial renovations, facilities assessments, project management, and planning. His project experience ranges from full building investigations to new building programming and design, exterior and interior rehabilitation, studies, reports, and campus planning.



REPRESENTATIVE PROJECT EXPERIENCE

Addition and Renovations to the Western Massachusetts Women's Correctional (WMCC) Center, Chicopee, MA: Lead Architect for a multi-disciplinary team which provided full design services for the construction of a new independent medium-security Housing Unit plus various additions and renovations to the existing WMCC in Chicopee. The project had a construction value of approximately \$14 million, and was developed by the Massachusetts Division of Capital Asset Management and Maintenance (DCAMM), in close cooperation with the Hampden County Sheriff's Office. This was an unusual and innovative public-sector project which was developed using an Integrated Project Delivery (IPD) method with a Construction Manager at Risk (CM@R) already in place at the Schematic Design stage. Lean Construction principles and Integrated Project Delivery (IPD) strategies were also applied to the extent possible within public procurement requirements. Beginning with the preliminary Execution Plan developed early in the Study phase, BIM was fully implemented across all project phases through final design and construction. The BIM model incorporated all of the fundamental programming information for the new spaces, integrated all design disciplines, supported clash detection inside and outside of the Revit platform, and is available for long-term facility management and planning.

Terminal C Improvement Project, Logan International Airport, East Boston, MA: Lead Architect on a complex multi-year project for Massport to design major HVAC system upgrades and interior architectural and lighting renovations to the classic 1963 Terminal C at Logan International Airport. This program of work was the second phase of an ambitious redevelopment of the Terminal, which is now focused on supporting the expanding Boston operations of Jet Blue. The project was valued at about \$16 million, and was constructed in coordination with an adjacent project to consolidate security checkpoints and improve passenger access. All of the construction proceeded without disruption to the on-going operations of the Terminal. Construction was completed in the Spring of 2011. Full BIM implementation across all design disciplines.

University of Rhode Island (URI) - Service Sector Master Plan: Lead Architect and Planner on a project for the University of Rhode Island to develop a master plan for the consolidation of the University's Service Sector, including Lands & Grounds, Automotive Services, Shipping & Receiving, Central Facilities, Recycling, Central Stores, Housing Services and other users. With approximately 90,000 SF of building space on a 10-acre site, the new Service Sector will provide modern facilities and functional, secure yard areas for URI's operations. Options for consolidation of the multiple functions of the Public Safety department, including police, security, dispatch, alarm monitoring and environmental health & safety were also part of this planning effort.

Weston & Sampson®

Papers & Presentations

1984
Master Architecture Thesis
"Boston's South Station: The Process
and Consequences of Preservation
and Reuse"
Massachusetts Institute of Technology

Awards

1994
Cultural Design Award
U.S. Department of Housing and Urban
Development Design Award

DANIEL G. TENNEY III, AIA

Architect

Department of Public Works, Relocations and Addition, Framingham, MA: Concept development - BIM implementation for project visualization, programming, space planning and coordination of Civil, Structural and Architectural design, as well as daylight modeling for massing, sun shading and curtain wall design. The project included phasing strategies and temporary facilities to allow partial demolition and new construction within the existing building footprint, in response to site, circulation and environmental limitations. Expanded operational space for multiple departments, new public and multi-use spaces, and provisions for a future Emergency Operations Center were included.

UMass Lowell Dormitories and Conference Center Renovation, Lowell, MA: Lead Architect and Project Manager for the team that provided architectural repairs and renovations to convert a multi-story hotel into a multi-use 400-bed student residential hall and conference center. The schedule for completion was very demanding, with most work compressed into a critical one-month period prior to the opening of the dormitory in late August 2009. The renovations were carefully planned and scheduled to meet programmatic and building code requirements.

Harvard University Expansion, Boston, MA: Principal Architect for several projects related to the critical early design of infrastructure, logistics and construction facilities for Harvard University's major, long-term expansion in Allston. Programming, space planning design and construction for several existing buildings, including the conversion of the existing 75,000 SF WGBH office building into a multi-function Construction Support facility for Harvard's administrative and support staff, Construction Managers and 1,600 construction workers.

Building Information Modeling / GIS Project Experience: Principal Architect on multiple projects using integrated BIM and GIS technologies. These included renovations and new building projects, facilities assessments and planning studies for Federal, state and municipal authorities as well as higher education clients. Planning and guidance for Kleinfelder's transition from Autocad 2-D design and production to full implementation of Revit-based 3-D BIM for project programming, planning, visualization, interdisciplinary coordination, construction documentation and facility management.

Rocky Hill Repair Facility, Connecticut Department of Transportation (DOT): Lead Architect for a new 85,000 SF building for critical DOT vehicle maintenance and operations, including repair bays, machine shop, welding and fabrication shops, lube and wash bays, paint shop, wash bay, CNG vehicle bays, high-bay stores, compressor and fluids room, administration and staff support areas for critical 24/7 operations. Multiple overhead cranes, vehicle lifts, exhaust systems; fluid containment, fire protection and roofing system design to FM Global requirements, etc. Full BIM implementation across all design disciplines from project inception. Project currently under construction.

Armed Forces Readiness Center, Middletown, CT: Lead Architect for a design-build team which provided complete turn-key services for the design and construction of a 265,000 SF training and readiness facility for the Army Reserve and Connecticut Army National Guard in central Connecticut. The LEED Gold-certified project included a 35,000 SF Vehicle Maintenance Facility with drive-through heavy vehicle bays, overhead cranes, specialized systems, extensive daylighting and staff support spaces. The project was designed and constructed on an extremely ambitious timetable, with full occupancy reached in 555 days from the contract start in late November 2009, with a combined design and construction budget of \$55 million. The project leveraged the power of Integrated Building Information Modeling through all project phases. BIM was used by all of the key project players: the entire design team, the general contractor, the major trade contractors, and the Army Corps of Engineers, who continue

EUGENE R. BOLINGER, RLA

Principal-in-Charge / Project Executive

Background

Vice President
Weston & Sampson

Landscape Architect
Weston & Sampson

Landscape Architect
Levy, Eldredge & Wagner Associates,
Inc.

Landscape Architect
Johannes H. Wagner Associates

Landscape Architect
Storch Associates

Education

1983
Master of Landscape Architecture
North Carolina State University

1981
Bachelor of Science
Environmental Design
University of Massachusetts

Professional Registration

Massachusetts
New York
Rhode Island

Professional Societies

American Society of Landscape
Architects
National Trust for Historic
Preservation
Friends of the Boston Public Garden

EXPERIENCE

As a vice president of Weston & Sampson, Mr. Bolinger currently manages more than two dozen municipal projects involving the reconstruction or restoration of city and town commons, parks, playgrounds, athletic facilities, open space properties, and urban design/streetscape corridors. During his more than 20-year career, he has successfully led master planning, final design, and construction administration efforts for multi-disciplinary park, recreation, and open space projects requiring expertise in landscape architecture, civil, structural, geotechnical and electrical engineering, architecture, metals and stone conservation, hazardous waste remediation, and environmental permitting.



For many of his projects, Mr. Bolinger has worked closely with the client to prepare the content for and execute the community outreach/public participation effort. This component of a project can be instrumental in generating constituent goodwill and fostering consensus among the various stakeholders.

SPECIFIC PROJECT EXPERIENCE

Principal-in-Charge for the Albion and Grimmons Parks Improvement project in Somerville, Massachusetts. Project included the community process, master planning, and full construction document design of the two parks set in very different neighborhoods of the city. The design included multi-use courts, community gardens, splash pad areas, shaded seating plazas, and new play equipment.

Project Manager and primary author of major master planning documents for the restoration of Green Hill Park (500 acres), Cookson Field (60 acres), and historic Worcester Common, all in Worcester, Massachusetts; Cushing Memorial Park (65 acres) in Framingham, Massachusetts; a recycling/transfer station and former landfill property in Needham, Massachusetts; and refurbishment of nine park properties in Waltham, Massachusetts.

Project Manager working closely with the City of Newton Planning and Development Department on a Master Plan for a section of Cheesecake Brook between Eddy Street and Watertown Street. Garnered many divergent opinions regarding the potential passive recreational use of the site through a series of community meetings. During the course of these meetings, helped flush out an enhancement program that will satisfy all the interested parties. Currently finalizing the Master Plan and beginning to prepare documents for the construction of a Phase 1 program for the site.

Project Manager for design, permitting, and construction of more than 20 Boston parks and playgrounds involving all major types of passive and active recreation facility restoration, refurbishment, and development. Improvements have included age-appropriate play areas, basketball, volleyball, and tennis courts; sports fields; water spray pads and features; park furnishings, pathway systems; parking areas; lighting and utility systems; and extensive landscaping.

Directed the restoration of the historic William J. Devine Golf Course at Franklin Park in Boston, Massachusetts. The course is the second oldest public golf course in the United States. Restoration projects have included more than a dozen initiatives over a twenty year period.

Weston & Sampson®

EUGENE R. BOLINGER, RLA

Principal-in-Charge / Project Executive

Principal-In-Charge for a roadway improvement project for the City of Cambridge, Massachusetts. Weston & Sampson worked closely with Cambridge DPW to incorporate low impact development (LID) designs into roadway improvements to Broadway between Ames and First Streets. The project's main focus is the integration of these stormwater management techniques into a new streetscape and traffic design for this important city gateway. Stormwater planters and sub-surface tree root cells (aka: Silva Cells) have been designed to treat and accommodate run-off from Broadway while alleviating burden from the city's drainage system. Planting, construction details, pavement and pathway standards and abutter coordination have all been proactively addressed by Weston & Sampson's landscape architecture staff.

Project Manager for design, permitting, and implementation of the Massachusetts Vietnam Veterans Memorial surrounding Duck Pond in Green Hill Park in Worcester, Massachusetts. Project funded by the Commonwealth of Massachusetts, land donation and project management by the City of Worcester, project guidance by a nonprofit veterans trust. Four-acre site includes three primary memorial spaces (Place of Flags, Place of Words, Place of Names) and includes ten massive engraved granite monuments and granite walls, edges and pavements, wood and fieldstone arbors, fieldstone walls and drainage swales, wetlands restoration and replication, extensive pathway systems, landscape plantings, wildflower meadows, and open lawns.

Project Manager for the design, permitting, and implementation, of children's splash pads at up to seven locations for the City of Waltham, Massachusetts. Each splash pad features a series of user-activated, interactive water spray features that operate in continually changing sequences. Related improvements at each project site included the installation of water, sewer, storm drainage and electrical services; seating; shade shelters; pavements and pavement graphics; and perimeter fencing and gates.

Project Manager for two major projects on Boston Common (ca. 1630) involving research, design, and restoration of the brick pathways and landscape surrounding Parkman Bandstand (original design by Olmsted Brothers) and full-depth reconstruction of the Oliver Wendell Holmes Mall, which traverses the full width of Boston Common from Beacon Street to Tremont Street.

Project Manager for the design and implementation of extensive improvements to the eight blocks of the Commonwealth Avenue Mall in Boston's historic Back Bay. Major improvements included water and electrical service upgrades, irrigation and seasonal lighting system installation, and pathway and landscape restoration.

Project Manager for the design and construction of a new town common in the center of Stoneham, Massachusetts. Work included development of the common with amenities to support individuals use and large-scale public gatherings, enhancements to adjacent Town Hall property, two municipal parking areas, and major street realignment and reconstruction within the surrounding business district.

Lead Designer for a 12-park improvements program in Fitchburg, coordinating the recreation offerings in each park to the "needs" analysis he performed. He has also directed dozens of schoolyard or neighborhood park improvement programs in Boston, Fitchburg, Lawrence, Bedford, Melrose, and other communities.

Background

2015-Present
Vice President
Shareholder
Weston & Sampson

2006-2015
Practice Leader | Senior Associate
Shareholder
Weston & Sampson

2001-2006
Senior Landscape Architect
Jacques Whitford Company, Inc.

1999-2001
Summer Intern
Caroi R. Johnson Associates

1995-1999
Assistant Project Manager
Boston Parks and Recreation
Department

Education

2001
Master of Landscape Architecture
Harvard University
Graduate School of Design

1995
Bachelor of Science
Landscape Architecture
cum laude
University of Massachusetts

Professional Registration

Registered Landscape Architect:
Massachusetts No. 1220
New Hampshire No. 012
Maine No. 3686
Rhode Island No. 367
New York No. 002211-1
Florida No. 6667031

Awards & Honors

MAAB Award for Outstanding
Accessible Design

ASLA Honor Award for Excellence
in Landscape Architecture

Harvard University Penny White
Travel Grant

Eunice B. Konieczky Student
Leadership Award

Rhoades Scholarship

CHERI RUANE, RLA

Landscape Architecture

EXPERIENCE

Ms. Ruane is a registered Landscape Architect with 20 years experience in multi-disciplinary project management, construction administration, site analysis and public design. She was involved with the restoration of Boston's historic park system, the Emerald Necklace, during her tenure at the City of Boston Parks and Recreation Department. She has special expertise with public site design and facilitating the community participation process. The combination of managing the public process from the perspective of the owner, as well as supporting public sector from the perspective of the consultant, has given Ms. Ruane a unique understanding of how best to manage public projects and work in close coordination with municipalities.



Ms. Ruane understands that public landscapes require a creative approach to design. From coordinating various stakeholders goals and concerns for their open space to choosing appropriate construction materials, these places have parameters that need to be carefully addressed in order for the end result to be a success.

Public presentations and the owner-interface design process are integral to all of Ms. Ruane's projects. While at Boston Parks, she involved the residents and neighborhood children in the design of the playground projects she managed. During her graduate studies at Harvard, she continued her participatory design research. There she developed a series of design workshops for school-aged children that involved them in the design of their schoolyards and neighborhoods. As a project manager at Weston & Sampson, Ms. Ruane continues to evolve presentation strategies that engage and inspire stakeholders of all ages.

SPECIFIC PROJECT EXPERIENCE

Project Manager for the Boston Redevelopment Authority's (BRA's) redevelopment of Parcel 5 into the new Mayor Thomas M. Menino Park in Charlestown, Massachusetts. The highly successful project addressed ADA accessibility/compliance issues, included an extensive public engagement component, and was completed within an accelerated schedule.

Team Leader for incorporation of low impact development (LID) designs related to roadway reconstruction in Cambridge, Massachusetts. Ms. Ruane worked closely with the City of Cambridge DPW on improvements to Broadway between Ames and First Streets. Her role in this project has been to integrate stormwater management techniques into the new streetscape and traffic designs for this important city gateway. Stormwater planters and sub-surface tree root cells (aka: Silva Cells) have been designed to treat and accommodate run-off from Broadway while alleviating burden from the city's drainage system. Planting, construction details, pavement and pathway standards and abutter coordination have all been proactively addressed by Ms. Ruane.

Team Leader for the Somerville Community Path, Massachusetts. Developing final designs for the Community Bikepath beginning at the intersection with Cedar Street and connecting to the existing bridge at Lowell Street. The project requires extensive community participation program and coordination and is required to meet the Massachusetts Department of Transportation (MassDOT) design standards. In addition, work includes permanent and temporary right-of-way acquisitions, utility coordination, and a Phase I soil investigation.

Weston & Sampson®

Publications

*Women in Architecture Exhibition,
Two Ton Gallery, Pawtucket, RI,
March, 2005*

*Boston Common Tree Inventory
and Planting Plan
February, 1998*

*Emerald Necklace Plant
List Database
March, 1997*

*Learning Environmental Design:
Kids in the design process of their
schoolyards. Harvard University,
2001, "Breaking the Public Sector,"
University of Massachusetts Alumni
Newsletter, Spring 1999*

CHERI RUANE, RLA
Landscape Architecture

Project Manager for the design, permitting, and construction of multiple park and playground sites for the Boston Parks and Recreation Department. Current or recently completed projects include LoPresti Park in East Boston and Ceylon Street Playground in Roxbury.

Project Manager for the Albion and Grimmons Parks Improvement project in Somerville, Massachusetts. Project included the community process, master planning, and full construction document design of the two parks set in very different neighborhoods of the city. The design included multi-use courts, community gardens, splash pad areas, shaded seating plazas, and new play equipment.

Project Manager for the development of a new type of urban open space for the City of Somerville. The small site, once the lot of a private home, was gifted to the city with the intent of establishing a natural, open space for birds. The design incorporates vegetation to provide food and nesting cover for the wide variety of bird species found in Somerville. A wooden boardwalk circulation system will provide an accessible route through the park while allowing stormwater to move across the site and infiltrate into the ground without adding impervious surfacing.

Team Leader for the Powers Farm Conservation Area Planning Project in Randolph, Massachusetts: Once a working farm, the land that makes up the current Powers Farm Recreation Area was acquired by the Town with the intention for use as a passive recreation resource that will connect directly to downtown Randolph. The site's planting plan makes use of native ground covers to establish a green foreground that requires little maintenance or watering, and frames the longer views to Norroway Pond and the adjacent conservation areas. A pavilion, parking facility, play area, and perimeter pathway allow for universal access and community use through this amazing natural resource in the heart of Randolph.

Landscape Architect for the Sanford Mill Redevelopment Conceptual Master Plan in Sanford, Maine, a Brownfields redevelopment site. Ms. Ruane worked with the town's officials to create conceptual plans and sketches to support the Community Development Block Grant effort to secure funding for the design and construction of the mill-area infrastructure redevelopment. The final grant application included a conceptual master plan diagram that showed potential locations for a new riverwalk amenity, fishing and launching piers, community garden areas, a new public safety building, and the proposed alignment for the mill-area "Main Street."

Project Manager for the NSTAR Harborwalk project at Reserved Channel in South Boston. Led the development of the linear waterfront park, included permitting assistance, construction oversight, and coordination with the Boston Conservation Commission and Boston Redevelopment Authority for the design of four interpretive signage panels that illustrate the history of the site and the surrounding areas.

Project Manager for the City of Portsmouth's Ceres Street Park project. Weston & Sampson's team worked with the City to improve accessibility, traffic, drainage, nearby business operation facilities, and pedestrian access while incorporating the area's historic nature and materials into the waterfront park upgrade. The project involved collaboration with the Community Development Department, residents, and businesses.

Project Manager for the City of Portsmouth's Plains Park and Pine Street Playground renovation projects. Improvements to the parks include drainage conditions, safety, play equipment and play value, streetscape, park entrances, improved accessible pedestrian circulation, new parking areas, and turf upgrades. The project involved collaboration with the Community Development Department and residents.

JEFFREY J. ALBERTI, LEED® AP

Facilities Design

Background

2007-Present
Team Leader
Weston & Sampson

2006-2007
Project Manager
Weston & Sampson

1992-2006
Gannett Fleming

Education

Bachelor of Science
Civil Engineering
Villanova University, 1992

Professional Registration

LEED® Accredited Professional

Professional Training

10-Hour OSHA Construction Safety
Training, # 001424873

EXPERIENCE

With more than 20 years of experience, Mr. Alberti specializes in the planning, design, and construction of municipal Department of Public Works (DPW) facilities. He has served in a project management and engineering role for more than 50 DPW facility related projects throughout the Northeast. Work assignments involve collecting data, performing concept studies and preliminary and final designs, and providing construction-phase services.



SPECIFIC PROJECT EXPERIENCE

Project Manager for a programming/feasibility study and design of a 56,000 sf consolidated Department of Public Works (DPW) facility in the Town of Norwood designed to house employees assigned to various operating divisions.

Site Evaluation for a Consolidated DPW Facility, Chelmsford, Massachusetts: Project Manager responsible for a feasibility study and site selection efforts for a new consolidated DPW facility. Work included performing a space needs assessment and site analyses and developing conceptual plans and estimates. Work also included developing preliminary floor plans, site plans, and building elevations for the selected site.

Boxford DPW Feasibility Study: Mr. Alberti served as the project manager for the Town of Boxford's DPW Feasibility Study. The project involved assessing the needs of the DPW and developing conceptual design alternatives for a new DPW facility to be located on the town-owned parcel off of Spofford Road. Work included interviewing key DPW staff, preparing a space needs assessment, preparing building and site alternatives, and preparing a conceptual cost estimate for the preferred alternative.

New Consolidated DPW Facility, Chatham, Massachusetts: Project Manager responsible for a feasibility study, the final design, and construction administration services for a new consolidated facility for the Chatham DPW. Services included performing a feasibility study to identify the current and future needs of the DPW. Upon receiving approval from the Town, final design documents were prepared for the new consolidated facility. Work included the design of an administration area, employee facilities, a vehicle maintenance facility, department workshops, a vehicle storage area, and a wash bay.

New Public Works Facility, Lexington, Massachusetts: Assistant Project Manager responsible for the planning, design and construction administration of a new consolidated public works facility to house DPW administration, water, sewer, highway, vehicle maintenance, equipment storage, and vehicle storage. Work includes performing a space needs assessment, developing building and site alternatives, identifying advantages and disadvantages of each alternative, recommending a preferred alternative, and preparing cost estimates.

New DPW Operations Facility, Franklin, Massachusetts: Project Manager responsible for planning, design, and construction-phase services for a new 32,000-square-foot public works facility and the renovation of 22,000 square feet of existing garage space. The new \$8 million facility will provide spaces for administration, vehicle maintenance, the indoor storage of construction vehicles, shop operations, and the storage and handling of materials.

Weston & Sampson®

JEFFREY J. ALBERTI, LEED® AP

Facilities Design

New Public Works Facility, Weston, Massachusetts: Project Manager responsible for developing feasibility and planning study for a new DPW facility. Work involved performing a space needs assessment to determine the DPW's needs and developing conceptual site and floor plans and a conceptual cost estimate for a final report. Services also included preparing separate design documents for a new salt/sand storage structure.

Renovations and Additions to an Existing DPW Facility, Falmouth, Massachusetts: Project Manager responsible for the design of renovations and additions to the existing Falmouth DPW facility. Work included interviewing DPW personnel to develop a space needs assessment for the facility.

Boxford DPW Facility Site Selection Study: Mr. Alberti served as the project manager on the DPW site selection study. The project involved assessing two potential sites on the town-owned parcel off of Spofford Road. Work included siting of the building and support functions on each site, identifying potential access roads to each site, evaluating the subsurface conditions of one site, identifying both regulatory and physical restricting factors for each site, and preparing conceptual costs estimates for each alternative.

Feasibility Study for a New Public Works Facility, Belmont, Massachusetts: Project Manager responsible for the development of a feasibility study and a conceptual design for a new consolidated public works facility. Services include performing a comprehensive space needs assessment, developing multiple building and site alternatives.

Planning and cost estimating for a new Public Works Building for Interstate Waste Systems, Inc. in Moretown, Vermont. Work involved planning the re-use and conversion of an existing large barn into a public works building for the Village of Moretown.

Mr. Alberti has also provided services on the following DPW projects:

- Town of Amesbury, MA
- Town of Andover, MA
- Town of Barnstable, MA
- Town of Billerica, MA
- Town of Boxford, MA
- City of Brockton, MA
- Town of Canton, CT
- Town of Charlton, MA
- Town of Chelmsford, MA
- Town of Danvers, MA
- Town of Grafton, MA
- Town of Granby, CT
- Town of Hopkinton, MA
- Town of New Castle, NY
- City of Newburyport, MA
- Town of Northborough, MA
- Town of Rockport, MA
- City of Springfield Water and Sewer Commission, MA
- City of Springfield DPW, MA
- Town of Wayland, MA
- Town of Westbrook, CT
- Town of Westwood, MA
- Town of Weston, MA
- Town of Whitman, MA
- Town of Windham, CT
- WSI/Moretown Landfill on behalf of the Village of Moretown, VT

ROGER L. THOMPSON

Transit Fleet Specialist

Background

Consultant
Weston & Sampson

President
Effective Management Decisions, LLC

Vice President of Management
Fleet and Facilities
Bucher, Willis and Ratliff Corporation

Director of Facilities
Programming and Planning
Maximus (formerly DMG-Maximus)

Fleet Manager for two
Midwestern city governments

International Technical
Field Representative
Manitowoc Engineering Company,
Crane Division

Motor Sergeant
U.S. Army

Education

Business Management
Fox Valley Technical College

Management Training
University of Wisconsin

Muncie Power Products
Sundstrand Hydro-Transmission

Publications

August 2011
Thompson, Roger
"Municipalities Taking a Fresh Look
at How Their Fleet Management
Programs Function"
APWA Reporter

June 2011
Thompson, Roger
"The Value of Fleet Management
Studies to Government
Administrators"
www.govpro.com

Presentations

Five-time National American Highway
Department Association Congress
and Equipment Convention
Program Presenter

APWA Snow Conference Speaker,
2004, 2005, 2006

Wisconsin Counties Association, 2006

EXPERIENCE

Mr. Thompson has served as a fleet management consultant for the past 25 years, pioneering facilities programming and planning services from an operational standpoint. He has assisted a wide range of state and local government clients in programming and planning facilities and in evaluating and re-engineering fleet maintenance operations.

As a former government fleet manager, Mr. Thompson gained a national reputation for championing the reuse of waste oil in municipal fleets. Through a process of collecting the waste oil, re-refining the waste oil, adding additives to meet manufacturers' specifications, and testing for quality, this oil was used in a diverse fleet of over 700 units, providing a significant cost savings to the municipality.

Mr. Thompson was appointed to Governor Tommy Thompson's (Wisconsin) Task Force for Control of Waste Oils. Through this role, he was named a recipient of the Product Information Networks (PIN) Municipal 50, which recognizes individuals based on innovative and cost-conscious managers of public revenue and contribution to improving public service.

Mr. Thompson recently co-authored Chapter 14 – Fleet Management (Facility Planning and Design) for the 2008 publication of the American Public Works Association's *Public Works Administration* manual. Additionally, he has written numerous articles for trade magazines on facility planning.

SPECIFIC PROJECT EXPERIENCE INCLUDES:

Metro-West Regional Transit Authority, Framingham, Massachusetts
Director-in-Charge for subconsultant services for peer-review, design, and construction administration services for adaptive reuse of existing utility company truck depot for use as new MWRTA Operations Facility. Services include peer review of prime consultant's designs for vehicle maintenance, parts and wash areas, plus selection / design of fluids distribution systems and parts storage systems.

Commissioned to conduct a fleet management study of the entire fleet of vehicles and equipment owned by the city. Subsequently, Mr. Thompson was asked to conduct a comprehensive Facility Master Planning Study that would spell out the parameters to eventually relocate the city's entire Fleet Maintenance, Public Works Department, Parks and Recreation, Youth and Family Services, Communications and its Medical Dispensary operations.

Evaluated the efficiency and effectiveness of the Construction and Repair Divisions for the City of Chicago's Department of Water Management (DWM). In summary, it was Mr. Thompson's scope of service to:

- Determine optimum Number and Size of Each Class of Truck
- Determine Proper Fleet Composition, including New Trailers
- Develop Replacement Cycle for the New Fleet of Approximately 90 New Pieces of Equipment
- Assist with Vehicle Specification Recommendations
- Determine the Most Advantageous Management and Span Of Control of the Fleet



Weston & Sampson

ROGER L. THOMPSON

Transit Fleet Specialist

Presentations (continued)

National Association of County
Engineers (NACE), 2007

APWA Tri State Conference
APWA Iowa Chapter
APWA Illinois Chapter
APWA Michigan Chapter
APWA Texas Chapter
APWA Kansas Chapter
APWA Chicago Chapter
APWA Wisconsin Chapter

Greater Metropolitan Parks
Districts of Chicago

University of Wisconsin
Fleet Management Conferences

Southern Michigan Road Commission

Wisconsin County Highway Association

International Maintenance Council

AEMP Jacksonville, Florida

AEMP Irving, Texas

University of Wisconsin
Continuing Education Program,
1999-2007

Speaker on the topic of "Effective
Facility Programming and Planning" at
the CONEXPO/CON/AG, 2008

Speaker on the topic of "Green Fleet
Facilities" at the Association of
Management Professionals,
Phoenix, Arizona, 2009

Awards & Recognitions

Recipient of the Product Information
Networks (PIN) Municipal 50, which
recognizes individuals based on
innovative and cost-conscious managers
of public revenue and contribution to
improving public service

Appointed to Wisconsin Governor
Tommy Thompson's Task Force on
control of waste oils

- Select Multiple Staging Areas (domicile) for the Fleet Across the City
- Offer Recommendations or Alternatives to Current Practices in Construction and Repair of Sewers
- Determine the Mechanic Staffing Ratios to Maintain the New Fleet
- Determine the Cost of Parts to Maintain the New Fleet
- Develop a Job Description for the Vehicle Maintenance Coordinator

Directed the facility programming and planning project for the City of Brentwood, CA. The project included development of a Master Plan for the Public Works Department and a review of the fleet maintenance operations.

Directed the operational review and facilities space needs assessment for the Highway Department of Door County WI, including the Vehicle Maintenance Shop. A detailed review of current operations led to recommendations to make several dramatic changes to business practice which will insure maximized, improved service delivery to County residents and visitors. Once constructed, the new facility proposed in the assessment will match service delivery requirements for years to come.

Developed the facilities master plan for the City of Rochester Hills, MI, including a joint venture analysis for the Department of Public Services and the Rochester Community Schools. Presented the findings in the form of four options; identified the opportunities for economies of scale, cost savings, and cost avoidances.

Directed the development of a new warehouse, administrative office, and maintenance facility for the City of San Diego. The project includes a space needs assessment, assisting in the development of the site plan, and identifying the equipment necessary for the new facility.

Directed a comprehensive maintenance facility assessment for the transit operation of the City of Kenosha (WI) comprised of several major components: 1) studying the current operation and gain a thorough understanding of the transit's unique operating characteristics; 2) evaluating 11 sites and make final selection recommendations based on operational needs and stringent City criteria; 3) projecting future size, building configuration, and site layout for a new 70,000-square foot facility; and 4) developing a master plan, implementation strategies, and construction cost estimates.

Performed a comprehensive study to consolidate all county functions in a centralized Highway Department complex for the County of Kenosha (WI). Conducted a space needs assessment, identified working relationships, prepared the site layout, and identified capital equipment required to construct the facility.

Developed a master plan for the City of Davenport (IA) to consolidate the maintenance operations of nine City departments in a new, 200,000-square foot City Services Center.

Directed a comprehensive, two phase "Facility Programming Study" for the Kenosha County (WI) Highway Department. Phase I was directed at operations and centralization of all County functions within one facility. Phase II was directed at providing the selected architectural firm a document that was utilized to prepare construction drawings and bid specification documents.

Performed a Fleet Management, Operational and Facilities review for the Fleet Services Section of the City of Brampton, Ontario (Canada) Works and Transportation Department. The review focused on the internal processes of the Section, such as management practices and organization design, as well as the outcomes of the internal processes, such as service delivery. It also focused on providing feedback and recommendations on such issues as capital planning processes, costing and pricing models, the potentiality of implementing a Fleet Management System, and analyzing space issues within the relevant City facilities.

Background

2013-Present
Vice President
Weston & Sampson
Peabody, Massachusetts

2003-2013
Associate
Weston & Sampson
Peabody, Massachusetts

2001-2003
Project Manager/Team Leader
Weston & Sampson
Peabody, Massachusetts

2000-2001
Senior Hydrogeologist
Geosphere Environmental
Management, Inc.
Hampton, New Hampshire

1999-2000
Senior Hydrogeologist
Talkington Edson Environmental
Management, LLC
Hampton, New Hampshire

1998-1999
Eastern Regional Coordinator
Layne New England
Dracut, Massachusetts

1996-1998
Regional Manager
HydroGroup, Inc./
Ground Water Associates, Inc.
Dracut, Massachusetts

1991-1996
District Manager
Ground Water Associates, Inc.
Dracut, Massachusetts

Education

1984
Bachelor of Arts
Geology, Economics,
Environmental Studies
Williams College

Professional Certifications

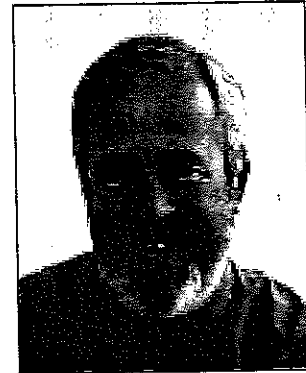
40-Hour Training Course for
Hazardous Materials Site Training,
OSHA 29CFR1910.120

Professional Societies

American Geophysical Union (AGU)
American Water Works Association
Association of Ground Water
Scientists and Engineers
Massachusetts Water Well
Association

BLAKE A. MARTIN

Principal-in-Charge



EXPERIENCE

Mr. Martin has managed over 900 projects involving watershed evaluation, water quality modeling, basin recharge, water quality sampling, and hydrogeologic evaluation. He has evaluated point and non-point source discharges in watersheds within New England, New York, and Pennsylvania for a variety of municipal clients.

Specifically, Mr. Martin has evaluated water quality impacts from residential, commercial/industrial, and municipal wastewater systems. Point source evaluations have included contaminant migration/transport studies and landfill leachate impacts. Almost every water resource evaluation has involved the delineation of critical areas of environmental concern, sensitive receptors, and potential contamination threats in order to permit the final feasible alternative.

SPECIFIC PROJECT EXPERIENCE

Provided environmental, permitting, and regulatory support to Massachusetts Water Resources Authority's WASM 3 to Shaft 7 Connecting Mains for planning and design of construction of new 48-inch water pipeline and rehabilitation of Section 59 and 60 of the existing 20-inch water pipeline that traverses through the communities of Arlington, Belmont, Boston, Newton, and Watertown.

Identified land use patterns, resource protection areas, watershed yields, and potential contamination sources for 27 municipal systems in Massachusetts under DEP's Source Water Assessment Program. The grant program included review of protection by laws and the recommendation of necessary changes and implementation plans. The project required coordination of Geographic Information Systems (GIS) mapping for input in the Massachusetts GIS program. The total project budget was over \$300,000.

Provided permitting services for the Wind Turbine MET Tower project for Massachusetts Technology Collaborative (MTC). The project included the design, permitting, and installation of the meteorological tower on the Kingston, Massachusetts sanitary landfill, which is adjacent to the town's wastewater treatment plant. The work was awarded under a grant from the MTC.

Submitted two ENFs under MEPA permit for new sources of water supply and obtained MEPA certification of a one million gallon per day (mgd) groundwater system in Wrentham, Massachusetts.

Submitted an ENF evaluating MEPA concerns, revised groundwater flow models, and evaluated long-term impacts to wetland resources and endangered species habitats in Sharon, Massachusetts.

Developed Interbasin Transfer Act applications for a \$5 million wastewater project in Weymouth, Massachusetts. Coordinated the filing of an expanded Environmental Notification Form/Environmental Impact Report (ENF/EIR) for the project and obtained a Massachusetts Environmental Policy Act (MEPA) certificate for a single issue EIR.

Supervised wetlands delineations in Andover, Hanover, Salisbury, Stow, and Wrentham, Massachusetts.

Weston & Sampson®

BLAKE A. MARTIN
Principal-in-Charge

Professional Societies

National Ground Water Association
New England Water Works Association
2000 Annual Conference

Papers & Presentations

September 2015

Martin, B.A., "The Outer Cape Future
Water Resource Strategies"
134th NEWWA Conference

September 2002

Martin, B.A. presented "The Use
of Low-Cost Micro-Measurement
Techniques for Aquifer Monitoring
and Safe yield Analysis: A Case Study,
Portsmouth, New Hampshire"

October 1990

Martin, B.A. and R.A. Francis, "Long-
term VOC treatment effectiveness
using pump and recovery methods
in a multi-layered aquifer setting,"
Plainville, CT. Water Pollution Control
Federation, 63rd Annual Conference
Washington, D.C.

1988

Bierman, P.E., Marler, L.J., and
Martin, B.A., "Groundwater in an
upland valley, the lingering influence
of a glacial lake: Williamstown,
Massachusetts," Proceedings NWWA
Conference on Eastern Regional
Groundwater Issues

1988

Getchell, F.J. and B.A. Martin,
"Maximizing well yields in
unconsolidated and consolidated
formations within restricted land
areas," Proceedings NWWA
Conference on Eastern Regional
Groundwater Issues

1988

Martin, B.A., Marler, L.J., and
Hills, M.W., "The use of the dual
rotary method for constructing
monitoring wells in glaciated terrain,"
Proceedings NWWA Conference on
Eastern Regional Groundwater Issues

October 1984

Martin, B.A. and D.P. Dethier,
"Stratigraphy and structure of the
Chama-el Rito Member, Tesuque
Formation, Espanola, New Mexico,"
The 35th Field Conference Guide Book,
New Mexico Geological Society

Evaluated watershed protection by laws, landfill impacts, and water quality monitoring programs for water supply in Salem, New Hampshire. Developed a watershed protection initiative consisting of education programs and a water protection committee.

Evaluated groundwater recharge zones, development impacts, aquifer characteristics, and landfill effects on a two-mgd aquifer in Williamstown, Massachusetts. Recommended measures and monitoring plans for long-term wellhead management.

Conducted numerous geophysical investigations for water supply development. Geophysical methods employed included dual channel seismic refraction, direct current resistivity, and conductivity. Geophysical investigations involved identifying water supply potentials between 0.1 and 3 mgd.

Evaluated a radial collector well design and safe sustained aquifer withdrawals for a one-million million gallon per day (mgd) groundwater supply in Liberty, New York. Devised pumping strategies and a monitoring plan for potential contamination from a nearby Department of Public Works (DPW) garage.

Developed innovative monitoring programs for wetlands hydrology and aquifer characterization using micropiezometers and remotely accessed data collection devices in Norton and Pembroke, Massachusetts and Hudson and Portsmouth, New Hampshire.

Evaluated Ranney Radial Collector Well feasibility, cost, and environmental permitting requirements for sites in Rocky Hill and Housatonic River, Connecticut; Bethel, Maine, and Lake Champlain, Vermont.

Performed wetlands replication projects in Hanover and Salisbury, Massachusetts and developed Best Management Practices (BMPs) for stormwater control in Norton and Peabody, Massachusetts.

Submitted an ENF evaluating MEPA concerns, revised groundwater flow models, and evaluated long-term impacts to wetland resources and endangered species habitats in Sharon, Massachusetts.

Evaluated watershed yield and zones of contribution for water supplies in Berwick, East Boothbay, Houlton, and Sunday River, Maine; Derby Center, Jericho, and Ludlow, Vermont; Lee and Troy, New Hampshire; and Frankfurt, Middleville, Newburgh, and Poughkeepsie, New York.

Evaluated groundwater supply potential for a 12-mgd Ranney Radical Collector Well System in Honduras.

Evaluated horizontal wells, radial collector wells, and vertical well infiltration galleries along the Hudson River in Bethlehem, New York.

Evaluated recharge potential and safe yield and predicted water quality and environmental impacts for infiltration galleries along the Pemigewasset River in New Hampshire.

Evaluated safe yield construction limitations and potential water quality issues in the St. Lawrence Seaway region.

AILEEN D. MURPHY

iDataCollect

Background

2011-Present
Client Manager
Weston & Sampson Services

2005-2011
Product/Client Services Manager
Focus Technology Group, Inc.

2002-2005
Owner/Office Manager
Kershaw-Murphy Inc.

2000-2001
Office Manager
Prosearch Technology Group, LLC

1999-2000
Customer Service Representative
Copyright Clearance Center

Education

1992
Bachelor of Science
Management
Bentley College

Professional Certifications

MassDEP Backflow Surveyor #32459

EXPERIENCE

Ms. Murphy is the Client Manager within the Solutions group of Weston & Sampson Services. She supports client needs for Weston & Sampson's data management software (the Checkmate Software Suite and iDataCollect). Ms. Murphy leads clients through the needs assessment process to determine the best solution. Once the contract is in place, Ms. Murphy manages technical resources from both teams to ensure a smooth implementation of the software package. Once successfully implemented, she conducts on-site, end-user training and continues to manage the client needs for software support, trouble shooting, additional training, and release management.



SPECIFIC PROJECT EXPERIENCE

Currently supporting the following communities in implementing the Checkmate Software for their cross connection control programs:

- Dedham-Westwood Water District
- Town of Beverly, MA
- City of Salem, MA
- City of Waltham, MA
- City of Medford, MA
- Town of Bellingham, MA
- Town of Burlington, MA

Assisting the City of Worcester in implementing the Checkmate Software for its cross connection control program and catch basin inspections.

Assisting the cities of Boston and Worcester in utilizing the iDataCollect software for field data gathering tasks.

While employed at Focus Technology Group, Inc., as Manager of Product/Client Services, Ms. Murphy provided hands-on management services, overseeing all customer and client concerns. Responsibilities included product support, product demonstrations, training, implementation, account management, product release management, client communication, and consulting services. Specific responsibilities, among others, included:

- Educating clients on the features and benefits of their existing software, as well as other product lines that might be beneficial, while also gathering customer requirements for use in developing product enhancements
- Supporting the technical aspects for troubleshooting Java/SQL based software and AS400/Cobol products
- Managing software system development and integration projects through all phases of project life cycle – analysis, design, development, testing, implementation, and post-production support
- Working with clients to develop an implementation plan to ensure resources are allocated properly for specific time and budget constraints
- Conducting WebEx training sessions for individual clients as needed, as well as group training webinars to instruct users on new product enhancements and feature/functions of the product line
- Conducting on-site training and consulting sessions to implement AML and fraud detection software, train end-users on the day-to-day use and discuss industry best practices
- Overseeing all end-user quality assurance and product testing

Weston & Sampson
SERVICES, INC.

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DAVID F. BURKE

Construction

Background

2012-Present
Construction Services Manager
Weston & Sampson
Peabody, Massachusetts

2001-2012
Resident Engineer
Weston & Sampson
Peabody, Massachusetts

1996-1999
Senior Engineer
Weston & Sampson
Peabody, Massachusetts

1993-1996
Project Engineer
Weston & Sampson
Peabody, Massachusetts

1987-1993
Associate Project Engineer
Weston & Sampson
Peabody, Massachusetts

1985-1987
Environmental Engineer
Weston & Sampson
Peabody, Massachusetts

1978-1982
Civil Engineer Technician
U.S. Army Corps of Engineers,
Waltham, Massachusetts

Education

1985
Bachelor of Science
Civil Engineering
Tufts University
Medford, Massachusetts

Professional Certifications

40-Hour OSHA Hazardous Waste Site
Worker Training

10-Hour OSHA Construction Site
Safety Training

Professional Societies

American Water Works Association
Water Environment Federation

EXPERIENCE

Mr. Burke has more than 25 years of experience specializing in design and construction, including supervising field construction and designing major water and wastewater projects. He is currently manager of Weston & Sampson's Construction Services Department and is responsible for all construction administration and resident representative services.

Mr. Burke supervises a group of resident representatives who provide general oversight, construction administration, quality assurance and control, and contract document interpretations and modifications. Mr. Burke also assists owners with claims and dispute resolution.



SPECIFIC PROJECT EXPERIENCE

Resident Engineer for the Department of Conservation and Recreation's (DCR's) Newton Square Sewer Replacement Project in Worcester, Massachusetts (DCR No. P09-2587-C1A). This project includes installation of 3,300 linear feet of 36-inch RCP replacement sewer at depths between 16 and 27 feet within Pleasant Street, Newton Avenue, and Midland Street. This project was funded under the American Recovery and Reinvestment Act (ARRA) and the Massachusetts State Revolving Fund (SRF) Program.

Project Engineer responsible for coordinating the Program Management/Program Support services for the secondary upgrade for the South Essex Sewerage District in Salem, Massachusetts. Mr. Burke assisted in program scheduling, design reviews, value engineering, and other oversight tasks in the initial stages of the project design.

Senior Engineer responsible for design of the pump station and 8,200 linear feet of force main for the Massachusetts Department of Correction, Norfolk/Walpole Correctional Complex project. The project included the rehabilitation/replacement of 7,500 linear feet of gravity sewer and abandonment of 5,400 linear feet of gravity sewer. Mr. Burke was involved in the design and coordination of key project issues, such as work in the public ways of Norfolk and Walpole; crossings of railroad, gas, and electrical rights-of-way; and crossing of a bridge undergoing reconstruction.

Resident Engineer for Boston Water and Sewer Commission (BWSC), Merrimac Street and Causeway Street sewage works improvements in Boston, Massachusetts. The work is a component of the Merrimac Street reconstruction project by MassDOT and included construction of approximately 1,100 linear feet of 48- to 54-inch drain, plus 1,100 linear feet of 24- to 36-inch sanitary sewer. Work included extensive utility relocations, including 16-inch high-pressure fire service mains, and a 12-inch gas main on Stanford Street with telephone, electric, and CATV lines. The project was characterized by extensive coordination and scheduling to avoid interference with Fleet Center (now TD Garden) events and Central Artery activities, construction disruptions at the "Tip" O'Neill Federal Building, and operations at the Suffolk Court House.

Senior Engineer responsible for design of the Phase 4 sewer extension project in Walpole, Massachusetts. This project included the construction of sewers in densely developed areas around Walpole center and significant work in heavily traveled state highways.

Weston&Sampson®

DAVID F. BURKE

Construction

Senior Resident Representative on the Cambridge Street Relief Sewer project in the City of Worcester, Massachusetts for the DCR. Work includes construction of cast-in-place sewer junction chambers, approximately 1,300 linear feet of 54-inch RCP gravity relief sewer and appurtenances, replacement of 30-inch water main, excavation, stockpiling, characterization and disposal of hazardous waste, and appurtenant work.

Senior Resident Representative on the Cliffs Area Sewer project, Contract 03-WW-01 in Scituate, Massachusetts. The project includes construction of approximately 19,000 linear feet of 8-inch gravity sewer, 5,000 linear feet of 4-inch force main, three submersible pumping stations, and structural improvements to the Edward Foster Road Bridge. The project, located adjacent to Scituate Harbor, includes a sewer crossing of a tidal tributary, limited alteration of wetland areas, wetland restorations, and approximately 50,000 square yards of roadway pulverizing/recycling with curb-to-curb overlay pavement.

Project Engineer for the construction of the BWSC's Washington Street Drainage Project. The \$4 million project consisted of water, sewer, and drainage improvements required to separate combined sewers in a congested urban area.

Senior Resident Representative for the Greenbush/Reservoir Area Sewer project, Contract 02-WW-01 in Scituate, Massachusetts. Work included construction of approximately 33,000 linear feet of 8-inch gravity sewer, including cuts to 23 feet deep within Massachusetts Route 3A, 5,700 linear feet of 8-inch force main, a 130 gpm submersible pump station and appurtenant work.

Resident Engineer for sanitary sewer infiltration/inflow (I/I) rehabilitation projects in Mansfield and Milton, and Newton Massachusetts. Work included cured-in-place piping systems, grout sealing and sewer manhole spray lining.

Resident Engineer for landfill closure project in Needham, Massachusetts. Site closure work included placement of an impervious polyethylene liner; installation of a drainage control system including drain swales, culverts, and retention basins adjacent to wetlands; and installation, start-up and initial monitoring of a gas vent and flame system.

Project Engineer for planning and design of seven miles of interceptor sewers, lateral sewers, and force main for the U.S. Navy facility at the Naval Education and Training Center (NETC) in Newport, Rhode Island. The design consisted of upgrading the existing collection and transmission system on a coastal area requiring maintenance of flows during construction and mitigative measures for protecting permitted water resource areas.

Project Engineer for the design and construction of 20 miles of interceptor sewers, lateral sewers, force main, and wastewater pump stations for Bellingham, Massachusetts. This project included over 7,000 linear feet of utility within Woonsocket, Rhode Island. Work also included preparation and implementation of site controls described within DEM approved URDM for onsite handling and treatment of petroleum contaminated soils and groundwater.

Senior Engineer responsible for design and construction engineering services for the Fort Adams sewer replacement project for the Rhode Island Department of Environmental Management (RIDEM). This project included both new sewer and sewer rehabilitation, and required close coordination with the City of Newport and the U.S. Navy-NETC. The project work area is a scenic, recreational part of the Fort Adams State Park.

Background

2003-Present
Project Manager
Weston & Sampson

2000-2002
Senior Project Manager
Diversified Technology
Consultants

1998-2000
Project Manager
Sailer Environmental

1995-1998
Senior Project Scientist
SEA Consultants

1991-1995
Hydrogeologist
Heyen Teale Engineers

Education

1991
Master of Science
Geology-Hydrogeology
Rensselaer Polytechnic Institute

1989
Bachelor of Arts
Geology
Colgate University

Professional Registration

Licensed Environmental Professional:
Connecticut No. 335

Professional Geologist:
Pennsylvania No. 001799G

New Jersey DEP Certified for
UST Subsurface Evaluation
No. 0016177

Presentations

April 15, 2014
EUCI Solar Development on Landfills
and Brownfields
Obtaining Environmental Engineering
from Site Approval through
Operations and Maintenance

September 7, 2012
Environmental Business Council
Connecticut Chapter Remediation
Program
Contaminated Soils Management
During Urban Site Redevelopment

Awards

2011
PV America
Photovoltaic Project of Distinction

JOHN A. FIGURELLI, PG, LEP *Renewable Energy*

EXPERIENCE

Mr. Figurelli is a Registered Professional Geologist and Licensed Environmental Professional with more than 22 years of experience in environmental permitting, hydrogeologic assessments, and contaminant investigations. Mr. Figurelli has been responsible for conducting site investigations and contaminant assessments; and developing and installing remedial systems. Additionally, Mr. Figurelli has been responsible for waste characterization and management programs, facility decontamination and decommissioning, wastewater management and permitting, and stormwater pollution prevention planning. He has specialized experience in the site evaluation, selection, design, and permitting for renewable energy facilities.



SPECIFIC PROJECT EXPERIENCE

Project manager/client manager for an Eversource Indian Orchard solar array project in Springfield, Massachusetts. After conducting the abatement, demolition, remediation, and site clearing to bring the site to an acceptable redevelopment stage, Weston & Sampson provided the design, permitting, and procurement support for this site, which is currently the largest solar facility in New England. The redeveloped site will generate approximately \$400,000 in annual property tax revenues for the City of Springfield as a solar farm. The 12-acre solar facility uses an innovative ground-mounted system, and its 8,200 solar panels produce 2.3 megawatts of electricity--enough to power more than 500 homes in the western Massachusetts region.

Project manager/client manager for the evaluation of 27 potential renewable energy sites for Eversource. Sites evaluated included those in the western Massachusetts towns of Amherst, Bernardston, Deerfield, East Hampton, Greenfield, Lanesborough, Ludlow, Montague, Pittsfield, and Springfield.

Served as the project manager/client manager directing Western Massachusetts Electric's Solar PV Development program. To date he has been responsible for the design and permitting of over eight Megawatts of solar system development. Projects have included PV development on Brownfield and landfill sites.

Mr. Figurelli has been the project manager/client manager for the Eversource Renewable Energy Program, a multi-year contract to provide a broad range of consulting and engineering services to support renewable energy projects. Responsible for site selection, design, and permitting of three photovoltaic systems in Massachusetts. He managed an extensive permitting process through local, state, and federal agencies, including wetlands and floodplain management. Mr. Figurelli also designed site grading to optimize solar panels exposure, maintain existing drainage patterns, balance excavation and grading on site, and determine the quantity of compensatory flood storage required; and prepared erosion and sedimentation control measures.

Provided project management/client management services for the first phase of the Western Massachusetts Electric Company's (WMECo's) 50 MW solar program. Services include planning, engineering, permitting, and procurement support. Current assignments include preliminary design and local permitting for a 1.5 MW project in Pittsfield, Massachusetts. The project requires local and state approvals with respect

Weston & Sampson

Certifications & Training

1991
OSHA 1910.120 40-Hour Hazardous
Waste Site Operations Training

1994
USGS Modflow Training

1992-2002
OSHA 1910.120 8-Hour Refresher
Course

1997
OSHA Confined Space Entry Training

1997
Visual Modflow Training

1998
OSHA Supervisor Training

Professional Societies

Environmental Professionals'
Organization of Connecticut
Board of Directors (2012-Present)

to floodplain development, wetlands resource impacts, and environmental conditions, and Weston & Sampson is providing all required services to support the permitting effort. In addition, Weston & Sampson is assisting WMECo with the evaluation and screening of potential host sites for additional utility-scale solar projects.

Project manager/client manager for Eversource's Cottage Street Landfill Project in Springfield, Massachusetts. Managed the design of the solar layout and prepared the permitting documents for a large (utility) scale solar facility situated on 63-acre landfill. The PV design of the 4.2 MW ground-mounted system consists of approximately 17,000 solar panels and utilizes an engineered racking and foundation system providing a low bearing pressure ballasts, in order to protect and maintain the existing landfill liner and gas management system.

Project manager/client manager for an Eversource solar energy project in Pittsfield, Massachusetts. Mr. Figurelli managed the design of the solar layout, a shading analysis, permitting and request for proposal (RFP) documents for a 1.8 MW (DC) solar facility, situated on eight acres of land. The \$9.4 million facility is owned by Western Massachusetts Electric Company (WMECo) built in cooperation with and the Pittsfield Economic Development Authority (PEDA). The facility was completed in October 2010, consisting of approximately 6,500 solar panels, and was the largest solar generating facility in Massachusetts at the time.

Project manager/client manager for a utility scale solar photovoltaic project, the site of which is located off of Millers Falls Road and Lake Pleasant Road in Montague, Massachusetts. Proposed site development would include clearing of the parcel and the development of a utility scale photovoltaic (PV) system on the Site.

Project manager/client manager for the United Illuminating Seaside Landfill Property Solar/Fuel Cell Project in Bridgeport, Connecticut. State and local files, an environmental database report, and various historical documents were reviewed to obtain a history of the Site and knowledge of the overall environmental quality of the Site.

Project manager/client manager for the United Illuminating New Haven fuel cell project. The landlocked 0.49-acre Site is situated on a single 0.89-acre parcel located off Connecticut Avenue in an heavy industrial zone.

Project manager/client manager for the Delta Hills landfill solar feasibility study for Eversource. The analysis provides a review of the area available for photovoltaic development as it relates to minimum capacity requirements and overall project goals. The analysis includes an evaluation of site characteristics; permitting requirements including federal, state, and local permits; and estimated energy production.

Project manager/client manager for a statewide hydroelectric power dam review for Eversource. Mr. Figurelli's responsibilities included evaluating the potential for a statewide hydroelectric program and reviewing and identifying potential sites for development.

Project manager/client manager for various United Illuminating solar feasibility assessments. For these projects, Mr. Figurelli reviewed three sites in Bridgeport and New Haven, Connecticut for potential solar development. On the most promising site, he conducted a Fatal Flow Analysis.

C. HOWARD JOHANNESSEN, LS
Survey

Background

2010-Present
Weston & Sampson
Team Leader

1990-2010
J. Kenneth Fraser and Associates
Vice President of Land Surveying

Education

1973
Bachelor of Arts
Geology
New York State University College at
Oneonta

Professional Registrations

Professional Land Surveyor:
Massachusetts No. 37049
New York No. 049511-1
Vermont No. 024-0000655

Certifications

OSHA 10-hour Certification
OSHA 24-hour Certification

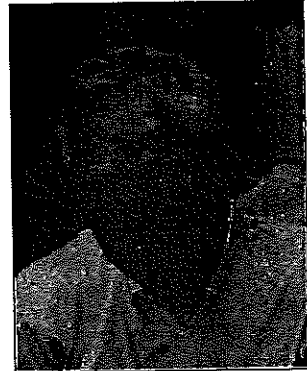
Professional Societies

Past President
Eastern New York Society of
Land Surveyors

Past Board of Directors
New York State Association of
Professional Land Surveyors

EXPERIENCE

Mr. Johannessen has more than 37 years of land surveying experience. He has performed land surveys and prepared mapping for a variety of clients, including state and local governmental agencies, municipalities, industrial, commercial, developers, and individual lot owners. Mr. Johannessen has supervised and performed boundary line, topographic, utility, title and engineering surveys, which have varied in size and scope from large rural boundary surveys encompassing several hundred acres, photogrammetric mapping control surveys entailing miles of differential leveling and baseline control, to small urban property line surveys.



SPECIFIC PROJECT EXPERIENCE

Supervised and performed boundary line, topographic and utility surveys for various projects including:

- Deerfield, MA topographic mapping along Connecticut River for road construction
- Alfred Circle, Bedford, MA boundary line and topographic survey commercial property
- Town of Kingston, MA lease/easement plan for solar voltaic site
- Duxbury LF, Duxbury, MA boundary and topographic mapping
- Delta Hills LF, Springfield, MA boundary line and topographic survey of LF lease/easement plan
- Malden, MA monitoring well water elevations mapping
- Town of Southbridge, MA Commercial Drive acceptance plan
- Town of Southbridge, MA ANR plan Commercial Drive
- Town of Southbridge, MA Barefoot Road abandonment plan
- City of Cambridge, MA Massachusetts Avenue topographic survey - 4,000 LF
- Buckland, MA miles of topographic mapping for road reconstruction
- ACE-CVEC multiple solar voltaic sites (7) throughout Cape Cod and Martha's Vineyard. Boundary & topographic mapping
- City of Somerville, MA easement plan
- Mt. Holyoke College, MA building expansion
- Air National Guard Base, Westfield, MA topographic/utility survey for capital improvements
- Quincy Street Park, Somerville, MA
- Silver Lake Boulevard Solar Project, WMECO, Pittsfield, MA
- Indian Orchard Solar Project, NUCSCO, Springfield, MA
- Landfill Site, WMECO, Springfield, MA
- Crompton Park, Worcester, MA
- Bennett Field Memorial Park, Worcester, MA
- Lazazzero Park, Waltham, MA
- Falzone Park, Waltham, MA
- Albany County Courthouse, New York
- State University of New York at Albany, New York
- University at Albany Foundation East Campus, East Greenbush, New York
- Brookfield Power, School Street Hydro Project, Cohoes, New York
- Little Falls and Whitehall, New York Harbor Development, New York
- Schenectady Housing Authority, Schenectady, New York
- Colonie Shopping Center, Albany, New York
- Rensselaer County Nursing Facility, North Greenbush, New York

Weston & Sampson

C. HOWARD JOHANNESSEN, LS

Survey

- Dry River Dam Project, City of Watervliet, New York
- Rensselaer Technology Park, Rensselaer Polytechnic Institute, North Greenbush, New York
- Building A-2 Training Facility, Knolls Atomic Power Lab, Niskayuna, New York
- Clinton Correctional Facility, Dannemora, New York
- Good Samaritan Nursing and Adult Homes, Delmar, New York
- Wynantskill Water District, North Greenbush, New York
- Rensselaer County Skilled Nursing Facility, Troy, New York
- Quackenbush Square, Albany Local Development Corporation, Albany, New York

Performed wetland boundary line surveys under the Wetland Reserve Program for the U.S. Department of Agriculture at approximately 40 sites covering eastern fourteen counties of New York, including: Town of Pittstown, Rensselaer County; Town of Brunswick, Rensselaer County; Town of Grafton, Rensselaer County; Town of Schaghticoke, Rensselaer County; Dutchess County; Hudson; Saratoga County; Washington County; Schenectady County; Putnam County; and Ulster County. Services included boundary line determination, monumentation, mapping, title review and certification, and preparation of legal description and report of survey.

Topographic, utility, and boundary line surveys for the New York State Office of General Services through a term contract for land surveying services at over 20 sites, including:

- Governor's Mansion, Albany
- NYS Cultural Education Center, Albany
- Police Memorial, Empire Plaza, Albany
- Hale Creek Correctional Facility, Johnstown
- Eastern Correctional Facility, Napanoch
- Five Rivers Environmental Education Center, Delmar
- Hudson Correctional Facility, Hudson
- Centennial Hall, Albany
- Ten Eyck Building, Albany

Services for the private sector have included ALTA/ACSM Land Title Surveys. ALTA/ACSM surveys were prepared for:

- Gordon Development, multi-block development in the City of Troy, New York
- Good Samaritan Nursing Home, multi-phased construction project for an adult care facility in Delmar, New York
- Hoffman Development Corporation, various sites in the Capital District for new car wash facilities, New York
- Brafferton Square Apartments, multi-building apartment complex in the Town of East Greenbush, New York
- Colonie Center Mall, Capital District retail mall encompassing 90 acres, New York
- Town Squire Plaza, retail strip mall in the Town of Bethlehem, New York
- Quackenbush Square, subdivision of properties defined by partition of existing buildings in the City of Albany, New York, including the Albany Pump Station brewery

Background

2014-Present
Senior Project Manager
Weston & Sampson

2013-2014
Independent Consultant
Weston & Sampson

2010-2013
Program Manager
GEI Consultants

2006-2009
Senior Environmental Specialist
SAIC Incorporated

1990-2006
Manager
Santa Barbara County Water Agency

1983-1990
Deputy Director
Santa Barbara County Energy Division

1981-1983
Project Hydrogeologist
Dames & Moore

1977-1981
Hydrogeologist
Water Resources Department
State of Oregon

Education

1977
Master of Science
Geology (geochemistry, igneous
petrology)
Western Washington University

1973
Bachelor of Arts
Geology (minor chemistry)
University of California, Santa
Barbara, CA

Professional Registration

Registered Professional Geologist:
California #3802

Registered Engineering Geologist
Oregon #E-684

Certifications / Training

Advanced natural resource conflict
resolution, Center for Dispute
Resolution, 1990

Hazardous Waste Site Investigation,
USEPA, 1981

Numerical Simulation of Ground
Water Systems,
USGS, 1981

ROBERT ALMY, PG

Grant Funding

EXPERIENCE

Mr. Almy has 30 years of experience managing coastal dependent and water-related programs. He provides leadership in interagency processes, the development of solutions to regulatory and resource management challenges, and the development of public information including compliance and training manuals. His areas of expertise include groundwater, integrated regional water management, stormwater pollution, water conservation, environmental review, and program development.

SPECIFIC PROJECT EXPERIENCE

Prepared and administrated three grants from the Massachusetts Sustainable Water Management Initiative. Carried out the technical studies and administrates the grants. All three grant reports were accepted by the Massachusetts Department of Environmental Quality.

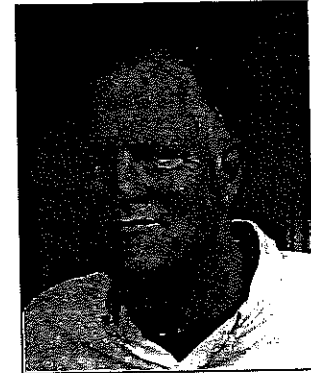
Prepared two grant applications totaling over \$1.5 million on behalf of the City of Gloucester, Massachusetts for an Economic Development Authority (USDOC) grant and for a state Safety of Dams award to Attleboro, Massachusetts.

Evaluation of Efficacy of AWWA Water Audit Methodology to Small and medium Sized Water Suppliers, Massachusetts. Mr. Almy led a team to evaluate the efficacy of American Water Works Association (AWWA) water audit process promulgated in 2011 and the basis of loss control in AWWA Manual M 36. Under a State grant, the Acton Water District and Lincoln Water Department were subject to an audit that was then compared to other audits, including annual reporting pursuant to the Water Management Act. The water audits identified improvements in data handling that would reduce apparent losses and could increase revenue. Mr. Almy used the results of the audits were the basis of a series of training sessions hosted by the Massachusetts Water Works Association.

Water Supply Feasibility Assessment Report, Glastonbury, Connecticut. Evaluated the adequacy of a proposed ground-water supply system in complex terrain and developed an alternative evaluation based on water balance techniques used by the US Geological Survey in similar terrain in the Puget Sound area, Washington.

Lower Santa Ynez River Climate Change Adaptive Management Plan, Santa Barbara County, California. Mr. Almy led development of a simplified methodology for identifying climate change risk and cost effective response for small and medium water suppliers. The work was funded under a grant from NOAA and used three public suppliers in the Lompoc Valley as test cases. The project included definition of climate change indices specific to the lower Santa Ynez watershed, development of a streamlined methodology to prioritize risk and effective response, as well as integration of potential responses with existing planning and capital improvement processes. The project involved close collaboration with state and regional water management agencies as well as the general public.

Northern Cities Management Area Annual Report, Northern Cities Technical Group, San Luis Obispo County, California. Mr. Almy served as project manager and principle investigator for the ongoing annual evaluation of groundwater supplies and development of a formal Annual Report submitted annually to the court as part of an adjudication of the Santa Maria basin.



ROBERT ALMY, PG

Grant Funding

Certifications / Training

Ground Water Surface Water
Relationships,
USGS 1980

Courses Taught:

"Environmental Impact Assessment
I and II" Environmental Studies
Program, University of California, Santa
Barbara, CA, 1990-2007, (2 quarter
upper division course)

Protecting Ground Water Quality,
UC Davis "Short Course" for
agriculturalists, 2005 to 2007

Current Issues in Storm-water
Regulation in California, Municipal
Storm Water Programs (Phase I and
II), Lorman Seminars, March, 2004 and
March 2005

Presentations & Publications

2009

Almy, R. B and Poucher, S.; *Applying
Existing Technology to Site Selection,
Impact Assessment and Long-term
Monitoring for Coastal Wind Farms.*
Abstract. Rhode Island Natural History
Survey, 13th Annual Conference Rhode
Island's Off-Shore Marine Ecosystem
and the Potential Impact of Alternative
Development

2001

Lyndon C. Lee, Peggy L. Fiedler, Scott
R. Stewart, Robert R. Curry, Douglas
Partridge, Jeffrey A. Mason, Robert
B. Almy, Darcy L. Aston, Maureen
E. Spencer, and Ethan M. Inlander;
*Reference-based assessment of the
functions of riverine waters/wetlands
in the south coast of Santa Barbara
County, California*

1991

Almy, R. B., Johnson, D. N. and
Vrat, D.; *Changing Role of Local
Government in the Development of
Outer Continental Shelf Resources,*
in Proceedings, Coastal Zone 91, The
Seventh Symposium on Coastal and
Ocean Management

1981

Almy, R. B., and Oberlander P. E.;
*Basalt Aquifer Characteristics, Ground
Water Ages and Implications of Large
Scale Groundwater Withdrawal in the
Columbia Plateau Region, Oregon.*
Geological Society of America,
Abstracts with Programs.

Santa Barbara County Area-wide Integrated Regional Water Management Plan (IRWMP), Santa Barbara County Water Agency, Santa Barbara County, California. Mr. Almy served as the project manager responsible for the preparation of the Santa Barbara County IRWMP to meet the requirements of the Integrated Regional Water Management Planning Act of 2002 (SB 1672). In addition, he managed the process to apply for Planning, Implementation and Flood Management Grants pursuant to Proposition 84. The Santa Barbara County Region addressed water supply and demand imbalance, water quality in areas of urban growth, salinity and nutrient management and the need for improved flood protection.

San Luis Obispo County and Central Coast Water Authority Exchange Study, Central Coast Water Authority, Santa Barbara, California. Prepared Initial Study and Negative Declaration for an exchange of water for capacity use within the Coastal Branch of the State Water Project. The environmental impact assessment was prepared pursuant to the California Environmental Quality Act (CEQA). Analysis focused on potential for growth and related increased use of other public services, air quality and stormwater runoff.

Poso Creek Integrated Regional Water Management Plan (IRWMP), Semitropic Water Storage District, Wasco, California. Evaluated the environmental impacts associated with the implementation of groundwater banking and exchanges amongst and between Friant, Cross Valley Central Valley Project (CVP) and Non-CVP Agricultural Contractors within the Poso Creek Integrated Regional Water Management Plan Area. Mr. Almy was part of the team to successfully apply for a \$17m grant from the Department of Water Resources.

Shoreline Stabilization Projects, (CERCLA- and DERP-related) Southern Chesapeake Bay, Virginia. Mr. Almy evaluated shoreline retreat using historical and projected oceanographic conditions as a basis for design of shoreline stabilization at a former ordnance depot. Two areas of the site, including a closed landfill, were threatened by ongoing erosion and slope failure. Consistent with state and federal guidelines, a "living shoreline" approach to stabilization was employed.

Subsurface Contamination Assessment, (DERP-related) Active Military Base, Maryland. Mr. Almy provided an assessment of geologic conditions leading to development of iron flocculation in a stream adjacent to a closed landfill. Iron flocculation was demonstrated to be a natural phenomenon, thereby avoiding extensive and expensive monitoring for potential contaminants from a nearby landfill.

Project Clean Water (surface-water quality) Program, Santa Barbara County, California. Mr. Almy established "Project Clean Water" to improve urban water quality throughout Santa Barbara County. Under his management, the program 1) instituted comprehensive educational programs, 2) developed and instituted an illicit discharge detection and control program, 3) developed local land use and construction site regulations and monitoring for stormwater control, 4) performed a comprehensive survey of public facilities, and 5) installed and operated treatment control facilities at seven locations.

NPDES Compliance Programs, Santa Barbara County, California. Under contract with four incorporated cities within Santa Barbara County, Mr. Almy led county staff in the development of NPDES SWMP applications. He coordinated an initial water quality assessment and community-led problem definition process in each city.

Watershed Planning, Santa Barbara County, California. Mr. Almy was instrumental in developing watershed plans in three critical streams on the South Coast of the Santa Ynez Mountains in Santa Barbara County. He established the proposed scope of each plan, assembled a local stakeholders' group, obtained funding, and managed the overall planning process.

SCOTT E. HENRIQUES, PE, LEED® AP, CEM

Mechanical Engineering

Background

2014-Present
Senior Project Manager/
Mechanical Engineer
Weston & Sampson

2010-2014
Senior Project Manager,
District Energy
CDM Smith

2009-2010
Director, Energy and
Sustainability
Reit Management and Research LLC

2007- 2009
Senior Project Manager
RDK Engineers

2005-2007
Manager, Product Technical
Support, Large Tonnage Chillers
York International/JCI

1998-2005
Associate Project Manager
SEi Companies, Inc./
Shooshanian Engineering

1993-1998
Senior Project Engineer
DukeSolutions/Energy
Investment

1989-1991
Junior Engineer, Facilities
(student)
University of
Massachusetts, Dartmouth

1983-1989
United States Navy
Machinist Mate (Nuclear Qualified)
CGN-40 and CG-17

Education

1993
Bachelor of Science (cum laude)
Mechanical Engineering
University of Massachusetts,
Dartmouth

1985
Graduate, Naval Nuclear
Power School

1984
Graduate, Advanced
Machinist Mate School

EXPERIENCE

Mr. Henriques is a seasoned mechanical engineer with more than 20 years of experience in a wide spectrum of industries. He has managed mechanical, electrical, plumbing/fire protection, and communication technology projects, and designed numerous central heating and chiller plants, as well as HVAC systems for commercial, industrial, institutional, and high-tech clients. With his expertise in analyzing and implementing energy-efficient systems, he has helped clients increase system efficiency with substantial cost savings. Mr. Henriques has successfully managed projects totaling more than \$200 million in construction. Having started his career as a shipboard steam plant operator for the U.S. Navy, he has a unique hands-on perspective to mechanical systems design. He has also served as the Director of Energy and Sustainability for a large national REIT and as the global Product Technical Support Manager, Large Tonnage Chillers for a major chiller manufacturer.



SPECIFIC PROJECT EXPERIENCE

Project Manager/Mechanical Engineer, Worcester DPW Interior Building Renovations, 16 and 18 East Worcester Street, Worcester, Massachusetts. Led engineering design services for renovating two DPW facilities which also included MEP systems fit-up for a new 2-level connecting bridge between the buildings. His work included close collaboration with other members of the architectural and structural design team, and also includes a new addressable fire alarm system for Building 18.

Project Manager/Mechanical Engineer, Peabody High School, Peabody, Massachusetts. Developed alternative designs for the replacement of HVAC and lighting systems at this 300,000 square-foot high school. The emphasis was on creating an efficient design. The project also included solving long-term IAQ problems and incorporating cost-effective recommendations and procurement methods, including traditional bonding and employing capital improvements through a state-structured "pay from savings" approach. Responsible for the plans and specifications for the retrofit of the HVAC system from 100 percent electric to high-efficiency gas-fired hydronic condensing boilers. This installation required state-of-the-art technologies chosen to significantly increase indoor air quality while cutting energy costs by almost \$500,000 annually.

Project Manager/Senior Mechanical Engineer, New Armory Readiness Center, Methuen, Massachusetts. Led engineering efforts for a new 2-story, 80,000- square-foot readiness center to house multiple National Guard units. The new facility will feature heated and unheated storage, administration space, classrooms, a maintenance training work bay, kitchen, physical fitness area, locker room, toilet/shower rooms, assembly/drill hall, and new parking. The facility's HVAC system is controlled by a combination of occupancy sensors tied into a typical Building Automation System.

Project Manager/Mechanical Engineer, Shelburne Community Center Renovations, Roxbury, Massachusetts. Provided MEP/FP design and construction administration services in support of \$4 million renovations to the community center facility. The project involved design of the renovation of all building systems including a new HVAC system for the entire building including air conditioning within the gymnasium; review of acoustical mitigation components in regards to mechanical system noise; high efficiency boilers; and related equipment life cycle costing analyses.

Weston & Sampson®

SCOTT E. HENRIQUES, PE, LEED® AP, CEM

Mechanical Engineering

Professional Registration

Professional Engineer:
Massachusetts #40721

LEED® Accredited Professional O&M
Certified Energy Manager (CEM)

Professional Societies

American Society of Heating,
Refrigeration, and Air-Conditioning
Engineers
Association of Energy Engineers

Project Manager/Mechanical Engineer, Memorial Hall Library HVAC Upgrade and Town Office Building Rooftop Units, Andover, Massachusetts. Performed an HVAC engineering study followed by design services for an assessment of the existing rooftop units at the Town Office Building, and the existing HVAC system at the Memorial Hall Library. He provided options based on a life cycle cost analysis for the upgrade of the system to provide both adequate comfort and zoning and energy efficient operation.

Project Manager/Mechanical Engineer, Worcester Public Schools, Worcester, Massachusetts. Served as project manager/mechanical engineer for this project that included facility evaluations, heat balances, condition assessments, energy audits, efficiency improvements, and infrastructure upgrades for this 60+ building school district. Projects included multiple steam and hot water boiler plant renovations and replacements, major and minor HVAC energy efficiency upgrades, heat recovery ventilation, electric and absorption chilled water plants, DX split and packaged cooling, whole and partial building controls, emergency generator, and fuel switching. A new HVAC system and boiler plant yielded 35 to 40 percent reduction in annual heating costs.

Mechanical Engineer, UMass Dartmouth Group II Science Building HVAC System Upgrade Design, Dartmouth, Massachusetts. Led the design on the Group II Science Building HVAC systems supporting student Chemistry Labs, including related electrical upgrades and modifications with a focus on rooftop AC equipment, exhaust fans, closet fan coil units and hot water and chilled water support equipment. A major goal of this project was to implement a cost effective HVAC system with significantly improved energy efficiency, while simultaneously modeling an HVAC system in an effort to replace existing obsolete equipment.

Project Manager, Hillside Middle School Existing Conditions Evaluation, Manchester, New Hampshire. Provided engineering services to evaluate and make recommendations to existing heating and ventilation systems, ductwork and appurtenances for excessive sound, airflow, fire damper installation and other potential installation deficiencies at Manchester's Hillside Middle School. Also coordinated the efforts of the independent system testing and balancing sub-consultant.

Project Manager/Mechanical Engineer, Worcester Police Department, Worcester, Massachusetts. Provided construction oversight for a building-wide chiller and VAV retrofit project. The project included critical phasing and rented utilities to ensure 24-hour operation of the city's 911 emergency station.

ROBERT F. MCALEER, PE

Background

2012-Present
Senior Electrical Engineer
Weston & Sampson

2009-2012
Team Leader/Project Manager/
Senior Electrical Engineer
Consulting Engineering
Services

2008-2009
Project Manager/
Senior Electrical Engineer
RDK Engineers

2003-2008
Project Manager (Principal)
The Collaborative
Engineers, Inc.

2000-2003
Project Manager and Senior
Electrical Engineer
Erdman Anthony, Inc.

1982-2000
Electrical Department Head and
Project Manager
Anderson-Nichols/Dewberry
Goodkind

Education

1984
Bachelor of Science
Electrical Engineering
Northeastern University

Professional Registration

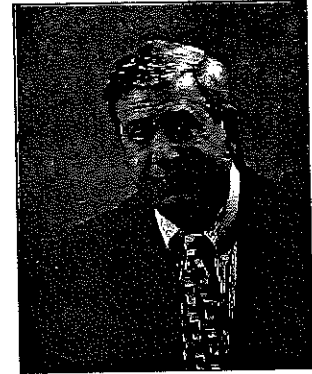
Professional Engineer (Electrical):
Connecticut No. PEN.0022067
Massachusetts No. 48017
Pennsylvania No. PE080764
Vermont No. 018.008481
Virginia No. 0402051790

Professional Training

Project Management
Training Seminars
Leadership Training Seminar
Project Financial Training Seminars
Miscellaneous Technical/Leadership
Training Seminars

EXPERIENCE

Mr. McAleer is a seasoned engineering and management professional with more than 25 years of professional experience as a Registered Electrical Engineer and M/E/P/FP project manager. His experience spans the design, management, and marketing of building systems services for both new and retrofit buildings for a variety of facility types within the private, public, municipal, and military sectors. These facility types include commercial office, research and development, medical and electronic laboratories, Skiff and Tempest facilities, private and public K-12, college and university, manufacturing facilities, clean rooms, biopharmaceutical laboratories, pump station and water treatment facilities, sports facilities, data centers, health care, retail and educational facilities.



SPECIFIC PROJECT EXPERIENCE

Water and Wastewater Facilities

Electrical Engineer for the Old Garden Beach Pump Station Upgrade Project for the Town of Rockport, Massachusetts. Project included the design of a pump station replacement, including the retrofit, replacement, and upgrade of all equipment in an existing flooded suction pump station.

Electrical Engineer for the Patty Ann Terrace Pump Station Project in Derby, Connecticut.

Electrical Engineer for the Peabody water treatment plant chemical feed design/bid project in Peabody, Massachusetts.

Provided electrical engineering services at the North Andover Water Treatment Plant in North Andover, Massachusetts.

Electrical Engineer for the Peabody water treatment plant chemical feed design/bid project in Peabody, Massachusetts.

Municipal Buildings

HVAC Upgrades at the Mount Hope Christian School, Burlington, MA. Providing electrical engineering services as part of a complete HVAC renovation at the Mt. Hope School owned by the Town of Burlington. The HVAC system (which is original to the building) is being renovated, including but not limited to hot water boilers, ductwork, piping, variable speed pumps, exhaust and a new web-based Direct Digital Control (DDC) system.

Town Hall Steam Boiler Replacement. Rhinebeck, NY. Providing new individual space temperature controls for this 1930s vintage historic 10,000-square-foot town hall in the Hudson River valley.

Recreational and Sports Facilities

Aquatic Maintenance Contract, Worcester, Massachusetts
Electrical technical support for aquatic maintenance of public pools and spray parks.

Weston & Sampson®

ROBERT F. MCALEER, PE

New England Patriots Stadium, Foxboro, MA

Project Manager and engineering for an electrical design of site electric and telephone power distribution systems, as well as site lighting for over 4.5-million-square-foot site. Design included coordination and negotiations with local utilities for obtaining a dual 10-megawatt redundant service to a new 68,000-seat NFL football stadium, as well as the associated facility support buildings including indoor practice facility and wastewater treatment plant.

HO+K Sport, Foxboro, MA

Project Manager and engineering electrical design of the plaza area power and lighting distribution system for the New England Patriots stadium.

Fidelity Investments, Marlborough, MA

A new employee fitness center within an existing on-site garage facility.

Boston University, Boston, MA

Electrical design of competition pool U.V. system.

Town of Hamilton Pool, Hamilton, MA

Electrical design of new pool, shower facility, and office support building.

Waldstein Park, Brookline, MA

Electrical design of comfort station offices, toilet facilities, and sports field lighting.

Wellesley Country Club, Wellesley, MA

Electrical design of new recreational pool and mechanical pump house.

Public Park Splash Pad, Wilbraham, MA

Electrical design including complete bonding system design.

Educational Facilities

New School, Westminster, MA

Electrical design of 120,000 SF school, including classrooms, gymnasium, administration and auditorium.

Three Schools, Fall River, MA

Electrical design of three new, 100,000-SF schools, including classrooms, gymnasiums, administration space, auditoriums, and community education centers.

The Carroll School, Lincoln, MA

Electrical and structural engineering services and lightning protection.

New Jewish High School, Waltham, MA

Performed a technical and economic feasibility study of alternative HVAC approaches and prepared the design to implement the chosen approach. Emphasis was placed on selecting the system with the minimum life cycle cost, and the design was performed on a fast track basis to assist the client in implementing this project of a design/build basis.

RICHARD W. SPURR

CADD

Background

1989-Present
CADD Supervisor
Weston & Sampson

1987-1989
Senior CADD Operator/Designer
SEA Consultants Inc.

1985-1987
Assistant Drafting Manager
Lombardo & Associates

1981-1985
Senior Draftsman
MacNevin & Kerivan Engineers, Inc.

1980-1981
Head Draftsman
Bergen-Paterson Pipesupport
Corporation

1975-1980
Draftsman
Charles T. Main Engineering, Inc.

Education

1998
Received Certificate of
Accomplishment for Advanced
AutoCADD Training from the ACAD
Company Training Center
Wakefield, MA

EXPERIENCE

Mr. Spurr has over 30 years of experience working as a CADD designer and draftsman. He is knowledgeable in all phases of CADD design, particularly at the more advanced levels.



SPECIFIC PROJECT EXPERIENCE

CADD Manager for the Low Impact Development design of the recently located new site of the Florida House, as part of the Florida House Relocation in Sarasota, Florida. Working closely with the Florida House Institute for Sustainable Development in Sarasota County and a multi-disciplinary team of professionals, Weston & Sampson will be responsible for designing a site plan that implements LID strategies and other sustainable site design elements at the new site.

CADD Manager for various infrastructure assessment projects and improvements in the City of Chelsea; primarily of its water, sewer, and stormwater systems.

CADD Manager for numerous water, wastewater, and stormwater projects in Quincy over the last 20 years.

CADD Manager for the evaluation and design of water system improvements for the City of Peabody. These improvements include a 6-million gallon per day (mgd) water treatment facility, a permanent cover for the existing Cedar Grove Reservoir, renovations to the existing 4.2-mgd Winona Pond Treatment Facility, two new water storage tanks, and new transmission mains. The \$13 million design and construction budget was completed on time and within budget with only one-percent change order costs.

CADD Manager for the Non-Point Source Pollution Evaluation, Stormwater Treatment Design, and s. 319 Grant Application Preparation for the Town of Ashland, Massachusetts through its Community Preservation Act Committee. The project included development of a priority list of 10 sites in the watershed to install stormwater BMPs. LID solutions were developed to improve aesthetics of sites while treating stormwater.

Converting data into base maps using the SOFTDESK Civil Engineering Software Program within AutoCADD. The maps were plans for residential and commercial developments consisting of road utility profiles, septic systems, building, locations, and parking layouts. These developments included:

Townhouse condominiums in North Reading, Millis, and Hopkinton, Massachusetts
Single family sub-divisions in Wrentham and Taunton, Massachusetts
Shaws Supermarket in Brockton, Massachusetts

Renovations to runways 11-29 at Hanscom Air Field, Bedford, Massachusetts
Conceptual layout of a solid waste transfer station in Millis, Massachusetts
Layout of an existing landfill in Bellingham, Massachusetts

Utilizing the facility Mapping System/AutoCADD to produce a proposal for a Geographic Information System (GIS) for Scituate, Massachusetts.

Weston & Sampson

RICHARD W. SPURR

CADD

Using Title V of the Massachusetts Environmental Code and local board of health regulations to design subsurface sewage disposal systems for a maintenance facility and clubhouse at a golf course in Barnstable, Massachusetts.

Drafting structural steel, reinforced concrete, plant layouts, coal handling systems, roadways, railroads, holding ponds, dikes, spillways, and intake structures for the Charles T. Main Company in Boston. Projects including the White Bluff Steam Electric Station (Arkansas) and the Independence Steam Electric Station for the Arkansas Power and Light Company.

Supervising and operating four AutoCADD computer-aided drafting systems. Mr. Spurr also developed standardized details and detail sheets, including pump station layouts, site plans, profiles, pressure and gravity cleanouts, trench details, manholes, one line diagrams, and other components related to wastewater collection and treatment facilities. This work was completed for:

- The Anne Arundal County (Maryland) Department of Utilities
- The Village of Oriskany Falls, New York
- The Danskammer Electrical Generating Facility for Central Hudson Gas and Electric Corp., Newburgh, New York
- The New Milford Plaza for Wilder-Manley Associates, New Milford, Connecticut
- A treatment facility serving the township of Bass River, New Jersey

Drafting drawings for various civil/structural projects at the Pilgrim Nuclear Power Station in Plymouth, Massachusetts for Boston Edison Company's Nuclear Division. As Senior Draftsman, Mr. Spurr performed drafting and layouts of structural steel, reinforced concrete, equipment foundations, conduit/pipe support projects, masonry wall modifications, site drainage, and septic systems. Mr. Spurr researched and assembled field information and worked from as-built configurations. He also conducted field inspections and measurements.

Drafting and checking drawings of group draftsmen. As Head Draftsman, Mr. Spurr also calculated weights and "take off" quantities for layouts of pipe support components.

Background

2012-Present
GIS Product Development Leader
Weston & Sampson

2011-2012
GIS Manager
Weston & Sampson

2001-2011
GIS Analyst
Weston & Sampson

Education

2002
Bachelor of Science
Analytic Cartography/
Geographic Information Systems
Salem State College

Certifications

Esri Certified
ArcGIS Desktop Professional



Honors

Gamma Theta Upsilon
International Geographical Honor
Society

Awards & Activities

2002
The J. Michael Ruane Award for
Excellence in Digital Cartography

1999
Salem State College
Leadership Institute

1998
Volunteer
Massachusetts Envirothon

Professional Affiliations

American Association of Geographers

American Counsel on Surveying and
Mapping

EXPERIENCE

Mr. Kastanotis leads the development of custom Geographic Information System (GIS) products and services for Weston & Sampson. He is experienced with GIS, geostatistical analysis, spatial and temporal modeling, Global Positioning Systems (GPS), Relational Database Management Systems (RDBMS), MapInfo, Open Source GIS/Software, AutoCAD Map, and Data Conversion. He is an Esri Certified GIS Desktop Professional and is experienced with Esri server products.



SPECIFIC PROJECT EXPERIENCE

Quincy, Massachusetts Water Distribution GIS – This project involved using the city's newly acquired GIS basemap data to develop a layer for the water distribution system. Mapping consisted of using structures collected from photogrammetry and GPS, which included water gates and hydrants as a base to add water mains. Record tie-cards for each intersection were scanned and linked to the GIS. Developed a web-based GIS using ArcIMS, which enables staff from the water and engineering department to access the GIS data using one database.

North Andover, Massachusetts Water Distribution and Stormwater Mapping – Developed a stormwater and water distribution GIS from existing record drawings, plans, and GPS collected infrastructure point features. Attributes such as diameter material and install year were populated in the GIS where available on source documents. A basemap was created based on existing MassGIS datalayers. The final water distribution GIS was exported for use in hydraulic modeling software.

Truro, Massachusetts Integrated Water Resource Management Plan – Designed an ArcGIS Online and ArcGIS for iOS application to enable field staff to field truth, edit existing GIS layers, and collect new data to support the overall goals of the project. ArcGIS Online was used as the central storage location for all of the project GIS data. Project staff was given access to view and edit the data through the ArcGIS for iOS application on iPads. This allowed staff to bring the GIS into the field and make edits on the fly as thanks to a wireless connection and GPS in the iPad. A web based javascript application was also developed for use on desktops and laptops so that office staff could access the same data and perform QA/QC of edits made in the field. In the end the data was utilized to develop groundwater models and provide decision makers with the information they needed in the IWRMP.

Lebanon, New Hampshire Sewer GIS - Designed and implemented GPS survey for the development of a comprehensive sewer system GIS.

South Burlington, Vermont Stormwater Data Collection and GIS Integration – Developed a system to enable the South Burlington Stormwater Services Division to electronically capture field data and link this inspectional information back to their GIS. Created three custom forms for Outfall Reconnaissance Inventory, Stormwater Structure/Drainage Line Inspection Report, and Maintenance Inspections for Storm Ponds/Detention Basins. Through Weston & Sampson's iDataCollect these forms are available to field personnel through an iPad application. Synch capability is provided via a WiFi connection to a cloud server and data is viewed through a secure web portal. The data was

MICHAEL D. KASTANOTIS

GIS

also integrated into South Burlington's GIS through tools created in ArcGIS Desktop. The tools automatically extract inspectional data from the cloud server and link it to the unique asset ID within an inspectional layer in the GIS, enabling South Burlington to electronically capture, store, report and analyze data much more efficiently than their paper system.

Worcester, Massachusetts Catch Basin Cleaning – iPads were installed in Worcester's dredging trucks to capture inspection and cleaning data from Worcester's catch basins and keep them compliant with the NPDES Stormwater Permitting. The city can capture field data electronically then report on this information with a couple of mouse clicks via an online reporting portal. The reporting portal automates their monthly reporting needs and allows them to analyze the data in order to make their catch basin cleaning program more efficient. The data has is also integrated into their GIS so that they can visualize trends such as illegal dumping events. The system is developed around Weston & Sampson's iDataCollect and Esri's ArcGIS Desktop and ArcGIS Online.

Boston Water and Sewer Commission Hydrant Mapping and Inspections - Designed and implemented an end-to-end mobile hydrant inspection and GPS survey application. Managed the daily workflow of assigning new hydrants to inspection crews, performing quality control on previous days inspections and delivering monthly data loads. Automated the loading of completed inspections into BWSC's existing GIS and Work Order Management System. Weston & Sampson inspected and delivered over 12,500 hydrants to BWSC.

Burlington, Vermont GIS Infrastructure Mapping and Hydrologic/Hydraulic Modeling - Updated and improved the city's existing stormwater, combined sewer overflow, and drinking water GIS by increasing spatial accuracy and expanding attribute data fields of existing features as well as capturing new features and data. When the GIS was sufficiently updated and the extents and limits of both the separated and combined systems were clear, the firm delineation of the sewersheds draining to the various lakes, rivers, and brooks was established for the Municipal Separate Storm Sewer Systems (MS4s). The tributary areas' limits to each of the stormwater outfalls were delineated as a layer within the GIS. The same was completed for the combined sewer system, except that the tributary areas are the pipelines that drain to each of the three wastewater treatment plants.

Medford, Massachusetts – Managed day to day production of the building and updating of the City's water, sewer and storm water GIS. The GIS was built/updated by using a combination of paper records, field survey and inspections. Sub-meter GPS is being used to locate the water and sewer system features. RTK GPS is being used to locate the storm water features and some of the sewer system features. Attribute information is being obtained from record drawings and during field inspections of the storm water system. Scanned record drawings are being linked to features for future reference. The GIS is being compiled in an ESRI geodatabase with a geometric network built for each utility.

Newburyport, Massachusetts Project Website – Developed and currently maintain a project website for the Low Street Sewer Replacement and Sewer Spot Repairs Project. Perform regular updates to information on the website including: announcements, schedule, traffic re-routing, digital maps, drawings, and other documents.

ROBERT G. TEDESCHI, PE, BCEE, LEED AP

Background

2015-Present
Team Leader
Weston & Sampson

2008-2015
Assistant Vice President
AECOM/URS Corporation

2005-2006, 2007-2008
Project Manager
Camp Desser & McKee

1989-2005, 2006-2007
Project Manager
Maguire Group Inc.

1987-1989
Civil Engineer
A-N Consulting Engineers

1987
Construction Inspector
Frederick Harris

1986-1987
Undergraduate Pilot Training
United States Air Force

1985-1986
Civil Engineer
Storch Engineer

1984-1986
Engineer
Connecticut Water Company

Education

1995
Master of Science
Civil Engineering
University of Connecticut

1985
Bachelor of Science
Environmental Engineering
University of New Haven

Professional Registration

Professional Engineer:
Connecticut
Massachusetts
New Hampshire
New Jersey
Pennsylvania
Rhode Island
South Carolina

Professional Certifications

Certified Environmental Engineer
LEED AP

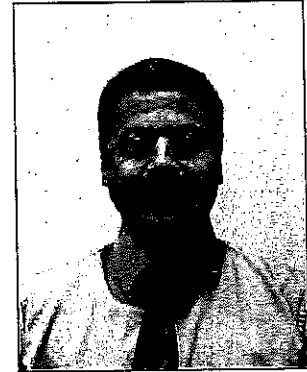
EXPERIENCE

Mr. Tedeschi has 29 years of increasing responsibility as a professional civil engineer in the field of water / wastewater engineering and site civil engineering design. He has previously managed a staff of 22 civil engineers, environmental professionals, and land surveyors.

SPECIFIC PROJECT EXPERIENCE

Project Manager (AECOM), National Grid, Utility Access Road, Winchendon, MA

Project Manager responsible for overseeing the planning and design of a 1.3 mile utility access road to support National Grid operation and maintenance of transmission facilities. Design included grading plans, profiles, development of alternative routes, cost estimating, final design, and coordination with environmental permitting requirements.



Project Manager (URS), Bristol Myers Squibb Parking Lot Reconstruction, Wallingford, CT

Project Manager responsible for overseeing the design of the reconstruction of the south parking lot of the Bristol Myers Squibb facility in Wallingford, CT. This project included the reclamation of approximately 300,000 square feet of bituminous concrete pavement site landscaping, grading, design of under drain system, and other drainage improvements. The project also included the design of LED lighting system upgrades for the parking lot.

Project Manager (URS), Westover Job Corps Center, Chicopee, MA

Responsible for the site/civil utility design of Phase I: a new 26,600 square foot one-story classroom building, site electrical improvements to accommodate underground electrical to all campus buildings and Phase II: Renovations to four dormitories and site landscape improvements including parking lot upgrades.

Project Manager (URS), The Hotchkiss School Pavement Management - Lakeville, CT

Responsible for a campus-wide condition survey of all bituminous pavements. The industry standard Pavement Condition Index (PCI) was utilized in identifying all distresses. Conducted the condition survey and prepared a final report which included a summary of the condition of the existing pavement systems, present day value of the Pavement Condition Index, estimated present day value of the pavement system, and cost estimate, with unit prices, to repair identified pavement defects.

Project Manager (URS), Saint Francis Home for Children Parking Lot, New Haven, CT

Responsible for the design of an 18-parking space parking lot for the Saint Francis Home for Children. The design included new bituminous parking lot and driveway, grading, drainage, fencing and other site improvements. The parking facility was designed in conformance with the parking and zoning requirements of the City of New Haven Zoning Ordinance. Oversaw the preparation of City Plan Commission permitting application and presented the project to City Plan.

Project Manager (URS), Verizon Wireless MSC Building in Naugatuck, CT

Overseeing civil/site design in support of a 45,000 square foot MSC Building. Design included site development, layout, grading and drainage, utility plans, driveway and parking layout and signage and landscaping. Preparation of Land-Use Approval documents, Construction Documents and project technical specifications.

ROBERT G. TEDESCHI, PE, BCEE, LEED AP

Professional Societies

American Water Works Association
(AWWA)

Technical Committee Member, State of
Connecticut, Water Planning Council

Project Manager (URS), Goodspeed Opera Housing Project, East Haddam, CT

Project manager overseeing the design and permitting of 17 new actor housing residents in four locations in East Haddam. This project consists of obtaining approval from local historic district commission, Inland Wetlands and Planning and Zoning. This project involves a variety of engineering tasks including site grading and drainage design, utility design, parking and driveway design, and site lighting. The design included the use of innovative technology such as pervious concrete for water quality mitigation. This project received the 2012 Alice Washburn Award for Excellence in Residential Housing Design by AIA Connecticut and Connecticut Magazine.

Project Engineer (URS), Morse & Stiles Colleges, New Haven, CT

Responsible for the development of design and the preparation of construction documents for two hardscape water features. Responsible for the design of two stormwater collection and recirculation systems, minimizing the need to use drinking water.

Project Manager (URS), Stormwater Management Report Update for the University of Connecticut Health Center (UCHC), Farmington, CT

Responsible for overseeing the development of an hydrologic/hydraulic model of the CHC Farmington campus watershed, and preparation of a Stormwater Management Report Update. The Stormwater Management Report Update was prepared to document modeled impacts to the drainage through the property due to construction projects that have occurred between 1994 and 2012, as well as future planned projects. The model effort incorporated pipe networks, stream channels, culvert crossings, and detention basins for both on-campus and off-campus areas contributing to on-campus flows.

Project Manager (URS), Fairfield Court Housing Development, Stamford, CT

Project manager overseeing site/civil construction administration services and resident inspection associated with the construction of 16 affordable housing units in Stamford, CT, including site parking and driveway, underground utilities site lighting.

Project Manager (URS), Loomis Chaffee School, Windsor, CT

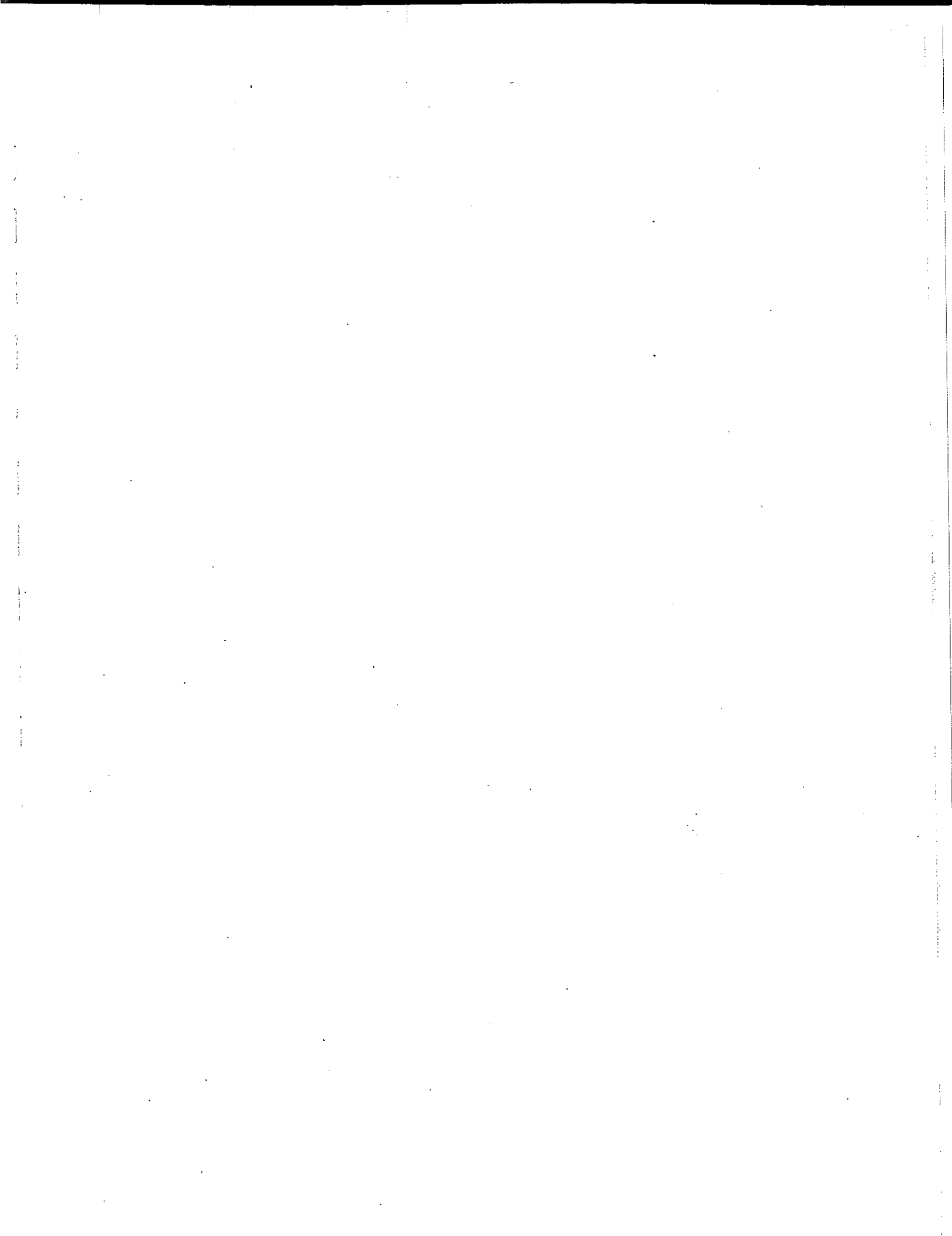
Project manager overseeing site/civil construction administration services and resident inspection for the construction of a building addition and related site work, including site utilities, parking, driveways and lighting.

Project Manager (Maguire), Downtown Streetscape Program

Project manager for a multi-million dollar downtown revitalization streetscape program in Meriden, CT. Coordinated the efforts of a multi-disciplined design team in the preparation of contract documents for new sidewalks, street lighting, plantings, roadway reconstruction and various utility improvements. Prepared the design and technical specifications for water distribution system improvements within the downtown area including cleaning and lining of existing water mains.

Project Manager (Maguire), Cellular Site Design, Cingular Wireless/AT&T

Project manager overseeing the design, permitting, and construction of cellular tower sites and rooftop applications. This project consists of in excess of 200 cellular sites in various stages of development. This project involves a variety of engineering tasks including: site plan development, structural analysis, grounding and lightning protection design, electrical design, HVAC system design, stealth architectural applications, and geotechnical analysis.



QUALITY ASSURANCE/QUALITY CONTROL PROGRAM

Below we provide a copy of Weston & Sampson's quality control and technical review plan. As for all projects including the proposed on-call contract with the City of Springfield, Weston & Sampson will adhere to the guidelines described in this plan to ensure professional, timely, and cost-effective services.

INTRODUCTION

Weston & Sampson believes that Quality Assurance/Quality Control (QA/QC) through the Technical Review Committee (TRC) process is the essential element of professional service and its management. We further believe that quality service will be realized through the use of careful and deliberate management, competent project staff, thorough coordination, constant communication, early and frequent review the work product, and documentation of that review. The project team will bring about this quality service by utilizing the in-place QA/QC and TRC programs of Weston & Sampson and the subconsultants as the basis of a QA/QC Program.

OBJECTIVES

It is the objective of this QA/QC Plan to provide guidelines that will assist the project team in:

- Fulfilling the client's needs and desires in a professional manner
- Striving consistently to bring the project to completion in a successful and satisfactory manner
- Minimizing those inconsistencies that may contribute to project misinterpretation, delays, and need for change

More specifically, the plan is focused upon the completeness and technical accuracy of all documents, constructability of the design, conformance to contract requirements, and conformance to assigned standards and criteria.

Through the use of this QA/QC Plan, the project team will continue to emphasize the need for an awareness and concern for quality.

ORGANIZATION

The project team members are selected and assigned based upon their technical and managerial competence and experience in the necessary disciplines, as demonstrated on previously successful projects. The principal-in-charge, the technical review committee, project management, project engineer, and staff engineers, each have clear assignments of responsibility for meeting the objectives of this program.

Principal-in-Charge:

The principal-in-charge has the ultimate responsibility for the project team, its administration and management, and for contract compliance.

Project Manager:

QUALITY ASSURANCE/QUALITY CONTROL PROGRAM

1. Is responsible to the client and the principal in-charge for the successful completion of the project. The project manager has complete authority and responsibility for the project throughout the duration of the contract.
2. Has the authority to speak for the project team in dealing with the client and to direct and expedite the work.
3. Participates in establishing the total time requirements for project completion, in the development of the fees, project budget, and schedules, all for approval by the principal-in-charge.
4. Is fully aware of the client's objective and must satisfy the client's goals and special requirements, and disseminate this as needed.
5. Reports regularly and frequently to principal-in-charge.
6. Analyzes the project for its scope, codes and standards that apply, design methods to be used, and organize the work of the project.
7. Determines the skills required.
8. Participates in the selection of the project engineers and design team and is responsible for recommending, when indicated, additional staff. He or she shall disseminate information to staff in a timely manner.
9. Identifies project team and inter-consultant needs. Coordinates with subconsultants as to whom and when certain skills are necessary.
10. Confirms schedule for the project and makes sure adequate time is scheduled for TRC procedures and all involved parties are aware of it. All schedules shall be approved by principal-in-charge.
11. Is responsible for recommending outside subconsultants, taking into account their reputation, technical experience in the type of project being undertaken, their QA/QC program, and their financial capability, including Errors and Omissions Insurance.
12. Is responsible for coordinating and scheduling outside subconsultants.
13. Monitors the progress of the project to determine percent complete, versus money spent, versus design budget.
14. Is responsible for completing the project on time.
15. Is responsible for adhering to project budget.
16. Receives all information coming into the office on a project and disseminates it to project design team and outside subconsultants.

QUALITY ASSURANCE/QUALITY CONTROL PROGRAM

17. Is responsible for QA/QC procedures and effectiveness among the project team.
18. Has responsibility for technical engineering and design criteria, standards, and work by the project team.
19. Is responsible for the direction and technical quality of the project engineers and subconsultants.
20. Coordinates the design and field activities of the subconsultants.
21. Coordinates the receipt of all information coming into the office on a project and disseminates it to project design team and outside subconsultants.
22. Is responsible for following the quality control process for the design function, to include checking of all work originated by him/her, by those under his/her supervision, and the subconsultants.
23. Provides technical guidance to the project engineers, support staff, and subconsultants by disseminating and coordinating information defining project needs and objectives and other such information required for design.

Project Engineer:

1. Has the responsibility of carrying out the design work of the project.
2. Is responsible to the project manager.
3. Establishes the design parameters together with the project manager.
4. Is responsible for following the quality control process for the design function to include checking all of the work originated by him/her and by those under his/her supervision.
5. Provides technical guidance to the support staff, and subconsultants by disseminating and coordinating information defining project needs and objectives and other such information required for design.
6. Must know the capabilities of the team to obtain specialized help when needed.
7. Is responsible for the accuracy of each segment of his/her work as it is completed.
8. Is responsible for the final check of the product of service for which he/she is responsible, including coordinating with other team members and subconsultants before the product of service is issued.
9. Assures that the project team and client design policies, procedures, and standards are followed.
10. Is responsible for adherence to applicable codes and client's design/procedures manuals, and shall so certify as may be required by project manager.

QUALITY ASSURANCE/QUALITY CONTROL PROGRAM

11. Is responsible for the coordination and suitability of the technical specifications.
12. Is responsible for processing of shop drawings.
13. Analyzes and responds to alternate designs.
14. Responds to questions during construction and will make field visits as the client may request them.
15. Is responsible for keeping the work on schedule, allowing suitable time for QA/QC procedures, including TRC functions.
16. Establishes the manpower requirements.
17. Shall be a registered professional engineer.
18. Should remain with the project throughout its time in the office.
19. Is responsible for coordinating all drafting and CADD support.

Staff Engineers:

1. Are responsible to the project engineer.
2. Shall carry out responsibilities assigned by the project engineer.
3. Are responsible for following QA/QC procedures for coordinating and checking accuracy of own work produced and that of those being supervised.

Technicians and Draftpersons:

1. Are responsible to those assigning work.
2. Are responsible for following QA/QC procedures for coordinating and checking accuracy of own work produced.

Technical Review Committee (TRC):

1. Shall be made up of senior professionals, selected by the principal-in-charge and the project manager, who will not be directly involved in the design process. The TRC shall serve over the life of the project.
2. The TRC will be concerned with determining that satisfactory levels of coordination, checking, constructability, legibility, completeness, and suitability of presentation is represented by the instruments of service. This may be determined by means of reviews, interviews, and examination of records, before release of each deliverable to the client.

QUALITY ASSURANCE/QUALITY CONTROL PROGRAM

3. Meetings of the TRC shall be scheduled consistent with submittal milestones and their reviews and reports shall be prompt, in accordance with the schedule.
4. Will be concerned with determining that satisfactory documentation exists as evidence that the QA/QC policy and TRC procedures have been followed.
5. Will be concerned with determining that project files are suitable and contain the QA/QC documentation.
6. Will prepare written summary report of TRC findings, recording the names of those making up the project team for that service submission and whether or not the service meets the requirements for release.

DOCUMENT CONTROL

The maintenance and tracking of all documents issued by the client shall be the responsibility of the project manager. The purpose of this assignment of responsibility is to make sure that only the latest approved documents are used. This responsibility will also include the recall of the superseded documents, or inserts, so marking them, and retiring them to file as a record of preceding requirements. Documents will include, but are not limited to, design manuals and standards, design criteria reports, and contractual requirements.

Documents prepared by the project team, including correspondence, records of meetings, telephone conversations, calculations, design drawings, cuts, specifications, cost estimates, checksets, and memoranda shall be maintained and appropriately recorded in the project files. Those documents prepared for submission to the client shall be marked, dated, and otherwise identified by submission stages. A continuous up-to-date log of the approved documents are filed and distributed to all team members to assure that the latest information is used as the design process progresses.

The project manager transmits documents to the subconsultants and support staff. A single point of contact at each subconsultant office will be identified to receive all documents. Project documents are to be controlled by the designated individuals for each subconsultant and maintained in a location where the documents are readily available to their project staff.

The project manager will periodically provide to the designated document recipients the project's current incoming document control log. From this log, the document recipient will select those documents needed by the subconsultant in the performance of work.

The subconsultants shall not reproduce controlled documents, such as scheduled submittals, progress plans, specifications, cost estimates, and design data. This is necessary to maintain the integrity of the control and, therefore, enable the project manager to track the whereabouts of controlled project documents. The project manager will provide additional copies of controlled documents as the need may be justified.

QUALITY ASSURANCE/QUALITY CONTROL PROGRAM

DESIGN CONTROL

Orderly procedures have been established to provide for quality assurance from the beginning of the project and continuing until the contract services are satisfactorily completed. All work, whether specifically outlined or not, shall be coordinated and checked. Prior to all submittals, all data is checked for accuracy and completeness by the originator of the data before it is submitted to the staff engineer, who will review, check, and coordinate all work produced by him/her, or under his/her supervision. After necessary corrections, the data is reviewed, checked, and coordinated by the Project Engineer and Manager.

After corrections, the TRC, who report to the project manager, presents the submittal data for review. With satisfactory findings, the project manger releases the submittal to the client.

Calculations

General: All elements of the final design are supported by calculations performed by competent, qualified personnel. The calculations may be hand computations, or verified computer program output made for the specific project, or the engineer's or designer's statement of acceptability of an element based on his/her previous experience with a like application.

Preparation: The person originating the calculation becomes familiar with the design criteria and other project documents issued by the client applicable to the subject of the calculation. All calculations are organized, indexed, and prepared so that a qualified engineer who is unfamiliar with the project may understand them. All hand calculations are made on each firm's standard calculation sheets, properly identified, with each page initialed by the originator of the page.

Calculations are prepared guided by the following requirements and general considerations:

1. Be neat and legible.
2. Heading of all pages shall be completed, including name of firm, originator, project, subject, date, and name of checker, and page number of total number.
3. State the purpose of the calculation and reference where its result is used, such as drawing, specifications, and equipment structure. Use sketches for clarity.
4. List all design assumptions and flag those that need to be verified later, such as equipment weights, sizes, or performance assumed; conditions; and operational characteristics.
5. Criteria for judging results, where applicable, should be compared with result.
6. List all formulae and define symbols.
7. Show source or derivation of equations not commonly used. Give references for methods applied.
8. Give the name and source of a computer program used in performing a calculation.

QUALITY ASSURANCE/QUALITY CONTROL PROGRAM

9. Identify computer output with the same information shown on the standard form heading for hand calculations.
10. Computer programs anticipated to be used shall be verified.
11. Calculations shall be grouped for various portions of the project.
12. Calculations shall be indexed for quick reference.
13. Make the result of a calculation obvious, not buried in series of numbers.
14. Explain gross over design or recalculate.
15. Obtain document log number for each complete set of associated calculations from the project manager, and display log number in the heading.

Review and Approval: When a set of calculations have been completed, and the originator has thoroughly checked his/her own work, the calculations are checked as soon as possible for completion to minimize the possibility of perpetuating errors in subsequent calculations, drawings, specifications, quantities, or cost estimates. The project manager supervising the work of the originator shall complete this check. In the event the originator is the project engineer, the project manager will accomplish the check. Discrepancies found by the checker are discussed with the originator and corrected. Unresolved differences between the checker and originator are brought to the attention of the project manager who will resolve the discrepancy. The checker initials all pages of calculations he/she has checked after he/she has concluded that the calculations are accurate. The approved calculations are submitted to the project manager for his/her review and approval. They are then submitted to the TRC as a part of the supporting data for the submittal. The TRC issues a report of its findings to the project manager before the submittal is released to the client.

The checking process shall include the following items:

1. Verify all of the preparation, review, and approval items listed above.
2. Perform a detailed mathematical check on special, intricate or unusual designs. "Rule of Thumb" methods or alternate approximate calculations or prior experience are acceptable to check the more ordinary designs.
3. Verify the input to and the reasonableness of results from computer program calculations.
4. The accuracy and adequacy of each computer program used will be verified.
5. Verify and confirm the assumptions made and flagged in the preparation of the calculations.
6. Verify proper interpretation of interfacing design factors.

QUALITY ASSURANCE/QUALITY CONTROL PROGRAM

Design Drawings

Preparation: Personnel responsible for the preparation of drawings, review all applicable design requirements and then translate these requirements accurately into the appropriate drawing. The originator prepares the drawing in accordance with the Project Drafting Standards, Project Design Criteria, Preliminary Drawings, and other controlling information issued by the client. On completion of the drawing, the names of the originator and drafter are placed in the spaces provided in the title box.

Drawing preparation includes the coordination of the originator's work with those multi-discipline drawings prepared by others, and satisfaction of constructability. For coordination, each discipline's drawing shall be appropriately overlaid to check for conflicts and interference. Additional details or drawings may be required, for in-house use, to verify clearances, and resolution of conflicts and interferences. The originator may resolve this matter to his/her satisfaction by preparing such drawings. If a question prevails through the checking process, additional detailing may be required. The assignment of responsibility for the preparation of these confirmation drawings will rest with the project engineer. One staff engineer shall not assume the coordinating responsibility for the work of another staff engineer. Likewise, one project team member or subconsultant shall not assume the coordinating responsibility for the work of the other.

Drawings are prepared following these general guidelines:

1. Use client Standard Sheets with title block.
2. Follow provisions of applicable Project Standards Manuals furnished by the client.
3. Utilize the same style of lettering throughout the drawing.
4. Do not repeat dimensions unless necessary for clarity, and verify that dimensions close and add up to total overall dimensions.
5. Use project approved nomenclature for parts and equipment.
6. Coordinate drawings individually, between disciplines, with calculations and with specifications.
7. Avoid repeating information given in the specifications unless necessary for clarity.
8. Apply functional drafting techniques to show only the information necessary to construct the subject of the drawing.
9. Carefully organize schedules, legends, notes, and details using appropriate titles and labels.

Review and Approval: At various stages of drawing preparation, the project manager releases prints of the drawing to project engineers and subconsultants of interfacing disciplines and other predetermined personnel for review and comment.

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The project engineer or subconsultant responsible for the subject drawing accepts or otherwise resolves the ensuing comments and has the drawings modified accordingly. The project manager will arbitrate unresolved issues.

After the last planned comment review has been accomplished and resolutions incorporated into the drawing by the originator, and after the originator has completed his/her checking procedure, the drawing is forwarded to his/her project engineer who proceeds to check the drawing in accordance with the QA/QC Program. On completion, the drawing is returned to the originator who makes all necessary corrections and resolves discrepancies with the checker, or the project engineer as may be indicated.

After all discrepancies have been resolved, the checker back-checks the drawing against the check print and signs the drawing in the space provided in the title block. The check set, utilizing the standard yellow, red, and green markers for the checking process, shall be marked with the check dates, the name of the checker, and the milestone the check drawing represents, and filed with the permanent office project drawing files for later reference.

In preparation for a milestone submittal, the project manager will assemble the drawings making up that submittal, and will review the drawings to verify their completion and accuracy as satisfactory for submittal to the TRC.

The checking process includes the following items:

1. Verify that all items outlined above for preparation, review, and approval have been accomplished.
2. Review everything on the drawing, pictorial, dimensional, and written for accuracy, readability, and compliance with design criteria and project requirements.
3. Use the traditional checking technique of marking correct items in yellow, corrections in red, and reserving green for the originator and drafter to indicate incorporation of corrections.
4. Check title block for proper identification, numbers, and signatures.
5. Check interfaces with other disciplines to assure proper interpretation of interfacing design factors.
6. Be alert for incorrect spelling. Make sure abbreviations and symbols are defined.
7. Check adequacy and suitability of clearances between equipment, structural members, inserts through structural members, piping, ductwork, conduit, cable trays, and supporting devices.
8. Obtain or prepare and use checklists for specific types of drawings and notes to be covered on those drawings.
9. Verify that sections and details are labeled and identified correctly.

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10. Back check to confirm that the originator has incorporated all corrections.
11. Document for the permanent record the date and accomplishment of this checking procedure and maintain "checkset," showing corrections needed and made.

Revisions: Revisions to drawings after final approval are subject to the same checking, approval, and documentation process as were the original drawings. The currently revised areas on a drawing are encircled by "clouds" identified with the revision number and the revision is described in the revision section of the title block.

The project manager and project engineer maintain the permanent project files, a dated, "record set" that includes all project drawings with the latest revision of each drawing included. In addition, a set of dated prints of each submittal to the client, with submittal milestone identified, is kept in the permanent project records.

Specifications

Preparation: Technical specifications and the bid items, as appropriate for the construction bid documents and contract documents, shall be prepared in accordance with the Project Specification Standards furnished by the client. Specifications shall be prepared by word-processing and shall be proofread by the preparer. A hard copy shall be issued to the originator of the specification sections for checking and correction.

The specifications are prepared following the general guidelines:

1. Start preparation early in the design process. Do not wait until closing period of project to begin specification.
2. Use the format and numbering system as stated in the Project Specification Development Standards.
3. Reference only those codes and standards that have a direct bearing on the subject of the specification. Be familiar with and know what those codes or standards imply and which part of the codes or standards apply.
4. Use the same terminology for nomenclature throughout the specification.
5. References to proprietary products should be included only to establish the expected level of the quality of materials and workmanship and shall be so noted.
6. Include specific quality assurance requirements. Citing broad references, regulations, and all applicable federal, state, and municipal codes is too broad for the contractor to assure compliance or for the engineer to verify compliance.
7. Other than Operating and Maintenance Manuals, request submittal of only those samples and/or the documentation that can have a direct effect on public safety, confirm conformance to specific requirements of the specification, or are necessary to verify assumptions made in its design.

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8. Coordinate the specification section with the contract drawings, sections on related work, and with the general and special conditions of the contract. Don't repeat statements from other parts of the specification unless they are done exactly word for word. When saying "as indicated on the contract drawing," make sure it is there.
9. When testing is required, define specific test and give the acceptance criteria for the tests.
10. Use short, simple sentences with common words. If trade vernacular or "buzz" words are used, make certain they are commonly understood or define them.
11. Do not copy specifications from similar and past projects.
12. Do not specify untried or untested processes or materials without reasonable, documented, research and only with the concurrence of the project manager.
13. Do not insert a complete manufacturer's specification that you do not understand.
14. Do not cite standards with which you are not familiar.

Review: The staff engineer or subconsultant shall review the completed specification for continuity and intent. The checked and corrected sections shall be assembled by the project engineer for his/her and the project manager's review and approval for submittal to the TRC. Specifications shall be checked and reviewed for the following general items:

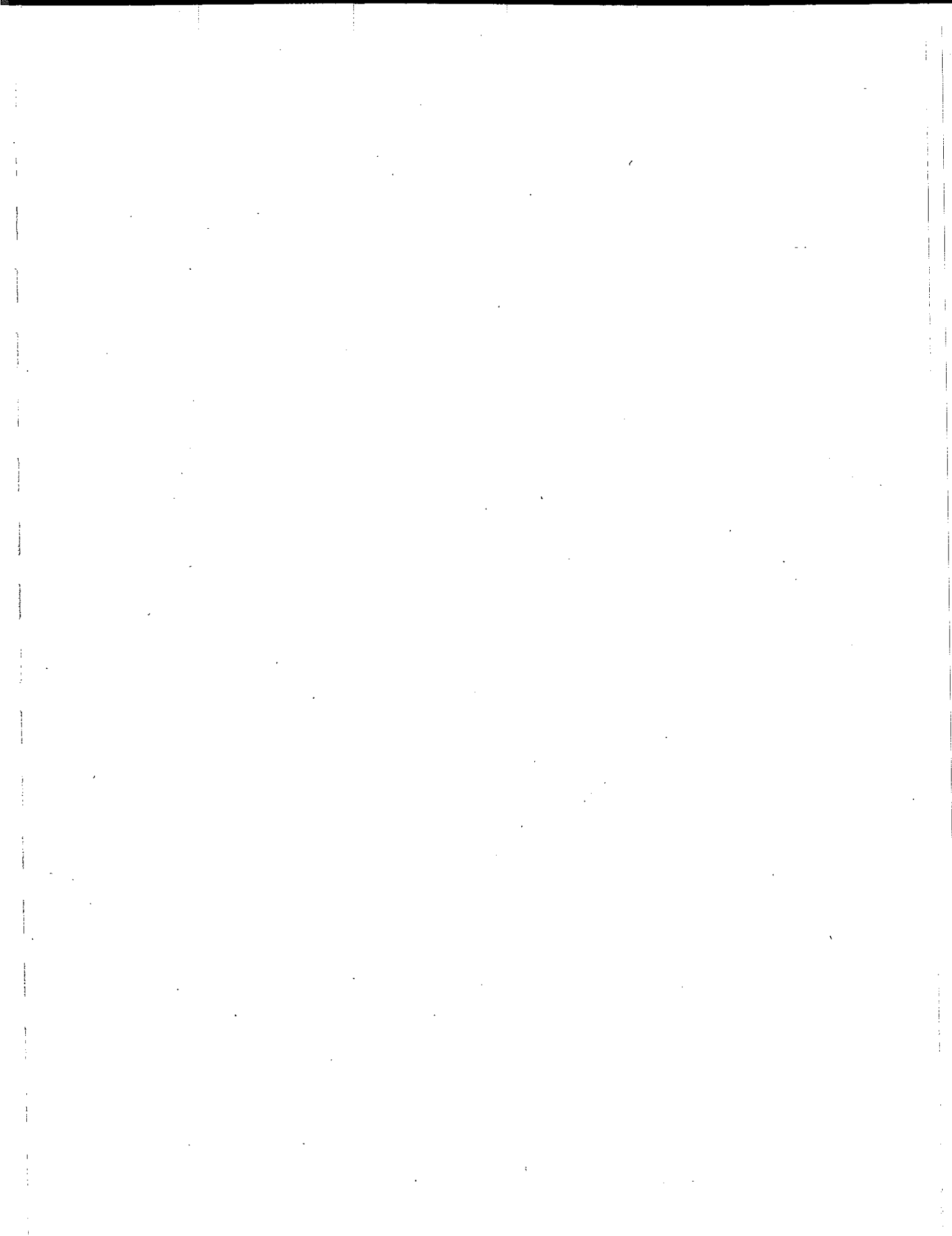
1. Verify all preparation and review items cited above.
2. Verify that specifications are in agreement with the Project Standards documents.
3. Verify that specifications are in agreement with the other components of the Construction Contract documents.
4. Verify that materials specified are appropriate for the local environment and design conditions.
5. Verify that material requirements are complete and definitive.
6. Verify that construction, installation, and testing requirements are complete and definitive.
7. Verify that superfluous information is eliminated from the specification.
8. Verify that the specification has been coordinated with interfacing segments or disciplines.
9. Document that checking, reviews, and corrections have been accomplished and verify that the check sets are dated, the checker is identified, and the status and milestone submittal is identified and filed in the project files.

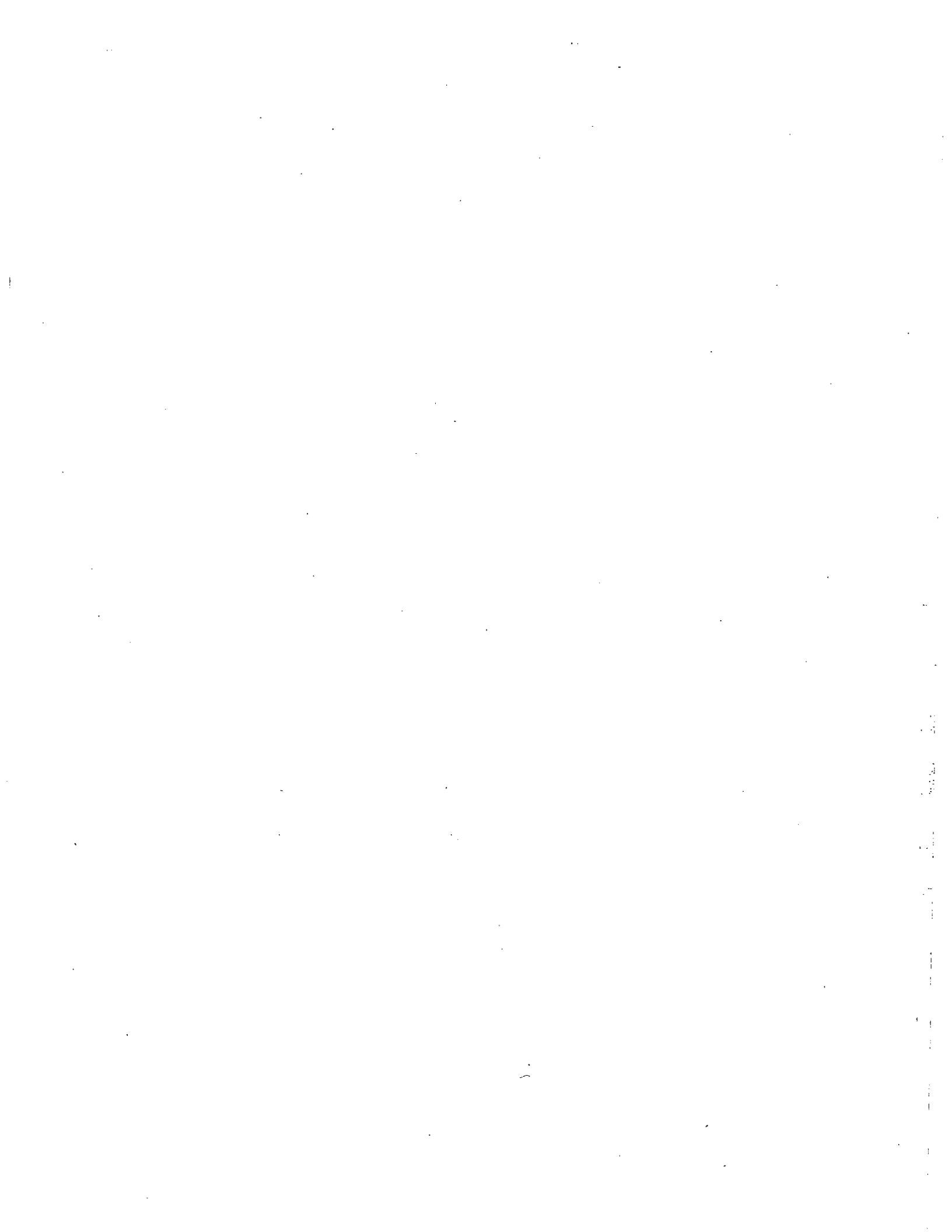
QUALITY ASSURANCE/QUALITY CONTROL PROGRAM

RECORDS

Responsibility for maintaining, recording, and filing project documents has been assigned to the project manager.

The various records of documents, required by the Scope of Services, are logged, dated as they are generated, and maintained in a separate file in the project office. Copies of such records, where appropriate are distributed to the project team members, including subconsultants. Internal records, generated by individual project team members, are logged, dated, and kept on file in their respective offices with copies sent to the project office for filing in the central project files. All operations concerning records generated by the project team are performed only by designated and authorized personnel to ensure they will be properly filed, maintained, and protected. Since all records will be maintained in a separate file in the project office, they can readily be made available to the client.





Weston & Sampson

STATEMENT OF AA/EEO POLICY

Weston & Sampson is committed to a policy of equal employment opportunity for all its employees and applicants. Weston & Sampson's growth and success depend largely on utilizing to the fullest extent possible all available human resources. We actively seek and employ qualified persons in all job classifications and administer all personnel actions affecting employees without regard to race, color, religion, sex, age, national origin, sexual orientation, physical or mental disability, or military status.

Weston & Sampson will continue to further its policy of equal employment opportunity by recruiting, hiring, compensating, training, and promoting persons in all job classifications without regard to race, color, religion, sex, or age, national origin, sexual orientation, physical or mental disability, or military status. Promotion decisions will continue to be reviewed in an effort to ensure that only valid criteria are used when evaluating employees for promotional opportunities.

Furthermore, systematic review of personnel actions will attempt to ensure that matters such as compensation, benefits, transfers, layoffs, return from layoffs, and any Weston & Sampson-sponsored training, education, social, or recreational programs, are administered without regard to race, color, religion, sex, age, national origin, sexual orientation, physical or mental disability, or military status. Weston & Sampson will establish reporting and monitoring systems in an effort to ensure adherence to this policy of nondiscrimination. Every employee and member of management is expected to promote our EEO and AA policy within his/her area of assigned responsibility.

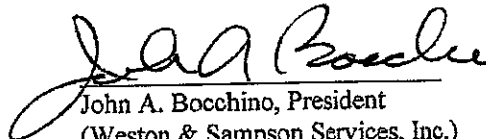
As part of Weston & Sampson's overall EEO policy, the harassment of others because of their race, color, religion, sex, age, national origin, sexual orientation, physical or mental disability, or veteran status is not tolerated. In particular, an atmosphere of tension created by ethnic or religious remarks or animosity, unwelcome sexual advances, requests for sexual favors or other conduct of a sexual nature does not belong in our workplace. When any such verbal or physical conduct or overtures unreasonably interfere with any individual's work performance or create an intimidating, hostile, or offensive work environment, the offended individual is urged to notify the AA/EEO Officer so that we may have an opportunity to investigate and deal with the problem. All inquiries will be held in the utmost confidence, but the matter will be investigated and dealt with expeditiously.

Weston & Sampson is pledged to affirmative action and to providing equal employment opportunities for members of minority groups and women under Executive Order 11246 and 11375, as amended.

To assure compliance with the plan, Colleen A. Manning, AA/EEO Officer, has been designated to administer and monitor the program and make reports to the Company's senior managers. She may be contacted at (978) 532-1900, ext. 2428.



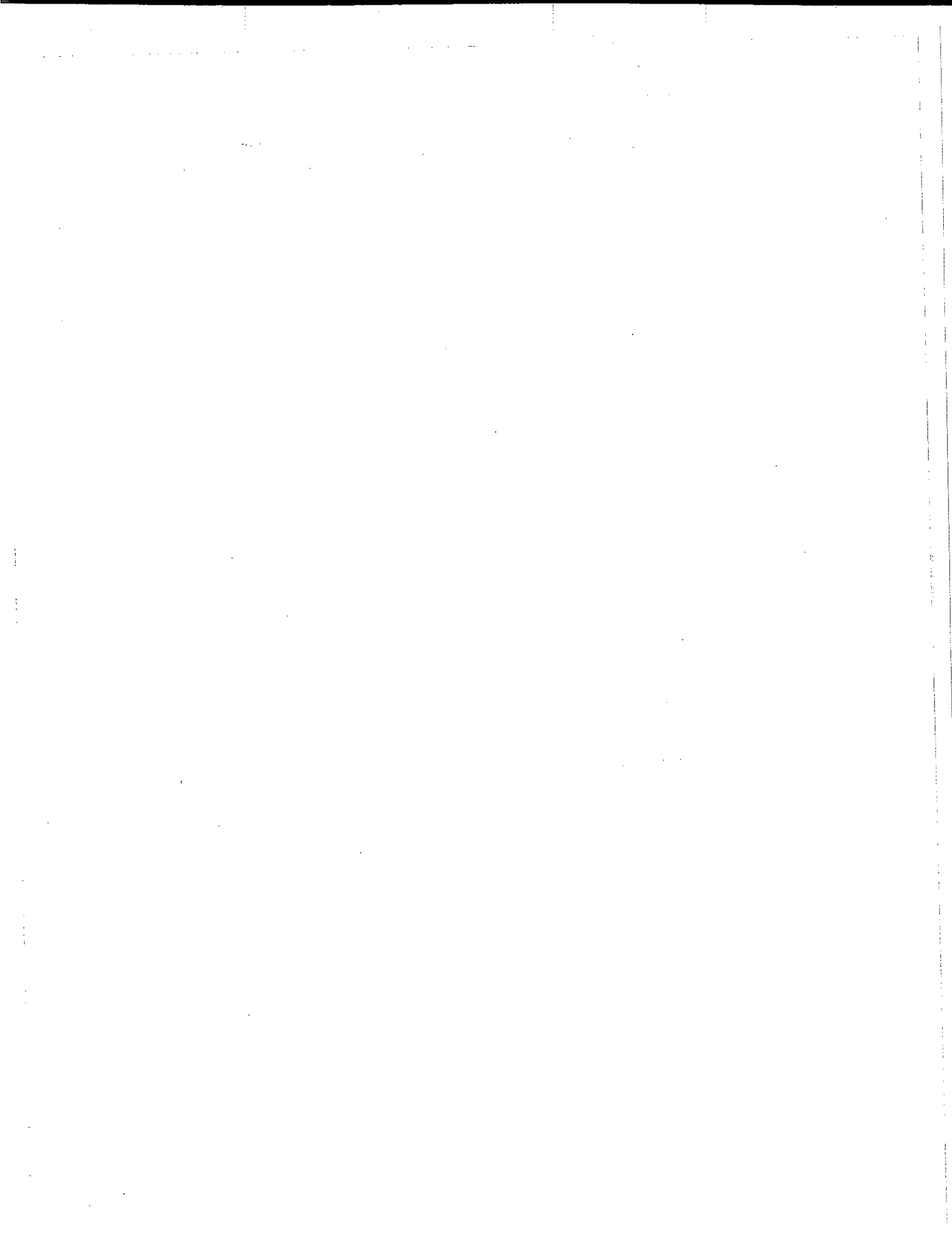
Michael J. Scipione, President
(Weston & Sampson Engineers, Inc.)



John A. Bocchino, President
(Weston & Sampson Services, Inc.)
(Weston & Sampson CMR, Inc.)

Date: January, 2015

Date: January, 2015



Weston&Sampson[®]

1-800-SAMPSON ■ westonandsampson.com

Connecticut

Florida

New Hampshire

New Jersey

New York

Massachusetts

Pennsylvania

South Carolina

Vermont

BID NO. 16-061

**REQUEST FOR QUALIFICATIONS / PROPOSALS FOR
ON-CALL ENGINEERING SERVICES
FOR THE
DEPARTMENT OF PUBLIC WORKS.**

PROJECT MANUAL

**OFFICE OF PROCUREMENT AND
DEPARTMENT OF PUBLIC WORKS
SPRINGFIELD, MA**

LAUREN STABILO – CHIEF PROCUREMENT OFFICER

CHRISTOPHER CIGNOLI – DIRECTOR

MATTHEW SOKOP – CITY ENGINEER

IN COMPLIANCE WITH THE ABOVE AND SUBJECT TO ALL OF THE CONDITIONS HEREOF, THE UNDERSIGNED AGREES TO FURNISH ANY OR ALL OF THE ITEMS AT THE PRICES AND TERMS QUOTED ON THIS BID, AND WITHIN THE TIME STATED.

THIS FORM MUST BE COMPLETED AND
SIGNED AT THE TIME OF BID OPENING

PHONE: _____ EXT. NO.: _____

COMPANY NAME: _____
ADDRESS: _____
CITY: _____ STATE: _____
BY: _____
SIGNATURE: _____
TITLE: _____ DATE: _____

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ADVERTISEMENT
CITY OF SPRINGFIELD, MASSACHUSETTS
OFFICE OF PROCUREMENT
Sealed Qualification Packages & Bids for On-Call Professional Engineering Services
Per Bid No. 16-061

will be received until 2:00 p.m.: October 14, 2015 By:
THE OFFICE OF PROCUREMENT
LAUREN STABILO, CHIEF PROCUREMENT OFFICER
36 COURT STREET, ROOM 307, SPRINGFIELD, MA 01103
PHONE (413) 787-6284 FAX (413) 787-6295

at which time they will be publicly opened and read in the Office of Procurement Bid Room.

Request for Qualification Package / Project Manual Bid documents will be available beginning Wednesday, September 16, 2015 at the Office of Procurement, 36 Court Street, Room 307, Springfield MA 01103 during normal business days, Monday through Friday between 8:15 AM and 4:30 PM. Bidders can also request a copy on the City's website on the Procurement Department page at www.springfieldcityhall.com.

Services Required: The City of Springfield (City) through its Department of Public Works (DPW) and other various City Departments wishes to engage one or more multi-disciplined engineering firms (Consultants) for a variety of services on an as-need basis. This procurement will cover the general engineering needs of the DPW and other various City departments. The selected consultant(s) may be required to complete projects which require special expertise and/or are too large for the execution by in-house staff.

The City retains the right to procure similar engineering services outside of any contract entered into as a result of this advertisement / contract.

The resultant term of the awarded contract will be for one year, with two additional one-year renewable options at the sole discretion of the City of Springfield.

Your attention is directed to the Equal Employment Opportunity and Affirmative Action section of the Request for Proposal / Project Manual. The Chief Procurement Officer reserves the right to reject any or all proposals.

The City of Springfield will hold a pre-submission conference on October 7, 2015 at 10:00 A.M. at 70 Tapley Street, Springfield, MA 01104. Bidders are highly recommended to attend.

All questions regarding bid or its specifications must be received by the Office of Procurement no later than October 8, 2015 by 4:00 P.M.

Note to Newspaper: Insert the above advertisement in the Springfield Union News ONLY under the heading "Legal Notice" on: September 16, 2015
Reference: (413) 787-6285 per Bid No. 16-061

Section 1 – Request for Qualifications / Proposals Overview

The City of Springfield, MA (City) is inviting proposals from consultants to provide On-Call Professional Engineering Services through its Department of Public Works

Pertinent Dates

RFQ/P Advertisement Date	September 16, 2015
Pre-Submission Conference	October 7, 2015
Final Date for RFP/Q Inquiries	October 8, 2015
RFP/Q Submission Date	October 14, 2015
Consultant Interviews (if necessary)	Week of November 2, 2015 +/-
Contract Award Date	Week of November 16, 201X+/-

General Instructions

The City considers any information, which may have been released either in writing or orally prior to the issuance of the official RFQ/P to be preliminary in nature and the City shall not be bound by any such information.

All proposers shall furnish all information required in this RFQ/P. Failure to submit all required material will result in the Submission being rejected by the City. The person signing the proposal must initial any erasures or changes that appear in the response for the response to be valid.

Brokers are not allowed to submit proposals on behalf of any firm and submissions will only be accepted from firms licensed to do work in the State of Massachusetts. Persons signing the proposal must have the authority to bind the submitting firm to the City of Springfield for any and all tasks if the firm is selected by the City.

Where potential Professional Engineering services are set forth in the RFQ/P, the City will / may consider proposals / disciplines for services other than those listed in this RFQ/P.

Proposers may not submit alternate proposals.

Point of Contact for Questions and / or Clarifications

Proposers are advised that the City's Point of Contact for all matters concerning this RFQ/P is the Chief Procurement Officer:

Lauren Stabilo, Chief Procurement Officer
City of Springfield
Office of Procurement
36 Court Street, Room 307
Springfield, MA
e-mail: lstabilo@springfieldcityhall.com
Phone 413-787-6284
FAX 413-787-6295

Oversight of the contract will be administered by:

Christopher M. Cignoli, P.E.
Director, Department of Public Works

and

Matthew J. Sokop, P.E.
City Engineer
City of Springfield
70 Tapley Street
Springfield, MA 01104

Any inquiries related to this RFQ/P must be made in writing, submitted to the Office of Procurement by the date identified in this RFQ/P. Inquiries submitted after the time and date specified will not be addressed. Oral questions will be accepted at the pre-submission conference and, if necessary, addenda will be issued. Oral or written questions or inquiries will not be accepted from any third party agents or brokers.

The City will issue responses to inquiries and any other corrections, amendments and additional information which it deems necessary in written addenda issued prior to the closing date. Addenda will be emailed to all vendors whom requested specifications from the office of procurement. Each proposer must indicate that they have read and reviewed any and all addenda and their proposal addresses any and all modifications contained in said addenda.

Restrictions on Contact with City Employees

Perspective proposers are advised that, from the date of advertisement of this RFQ/P until the award of any resultant contract, they are not permitted to contact any City employee about any matter related to this RFQ/P, unless they have received the permission of the Chief Procurement Officer. The restriction also extends to any broker / agent representing any firm. Any violations

of the restriction clause committed by a firm, or broker / agent of a firm, are grounds for rejection of their bid.

Pre-Submission Conference

The City of Springfield will hold a pre-submission conference on **October 7, 2015** at 10:00 am in the Conference Center at 70 Tapley Street, Springfield, MA 01104. Firms wishing to submit a response to this RFQ/P are encouraged to attend the conference. Agents who are not full time employees of a submitting firm are not eligible to attend the pre-submission conference. Questions and / or inquiries will be accepted at the pre-submission conference and a determination will be made if the items discussed will be included in an addendum.

RFQ/P Submission Requirements

Proposers should also refer to Section 2 & Section 3 of this document for greater detail on the submission procedures and format.

The general submission procedures are as follows:

- Submit one original and 6 copies of the entire submission package. Please mark original clearly.
- Submissions must be received by the Office of Procurement before **2:00 P.M.** on **October 14, 2015**. Proposers are recommended to include their firm name and complete address on the outer envelope and / or wrapper enclosing the submission. The outer envelope should be addressed as follows:

Office of Procurement
36 Court Street – Room 307
Springfield, MA 01103
Attn: Lauren Stabilo, Chief Procurement Officer

RFQ/P Title” On-Call Professional Engineering Services” – Bid 16-061
Closing Date – **October 14, 2015 @ 2:00 P.M.**

- Proposals are due by 2:00 P.M. on the closing date listed above. No proposals will be accepted after the closing time. Proposals may be delivered to the Office of Procurement at the address listed above between the hours of 8:30 am and 4:30 pm Monday through Friday, excluding holidays observed by the City with the exception of the bid due date due by 2:00 P.M. Proposers are responsible for informing any commercial delivery

services of all delivery requirements, and for assuring that all necessary information appears on the outer wrapper of the package as directed.

- The City will not accept electronic or telegraphic proposals.

Withdrawal of Proposals

Proposers may withdraw their proposal from consideration at any time prior to award of the contract. Proposers who decide to withdraw their proposal are required to notify the City in writing, which must be in a sealed envelope and addressed and directed to the Chief Procurement Officer. The City will retain all copies of the submittal for its records.

Incurring Cost

The City shall not be held liable for any proposal preparation or, if awarded a contract, for any pre-contract activity or costs incurred by any proposer in the preparation of their proposal, preparation or presentation at an interview, during any negotiations regarding the contract, or in execution of the contract.

Oral Presentations / Interviews

The City may require proposers to give oral presentations / interviews regarding their proposal and / or to demonstrate the firm's capabilities to provide the City of Springfield with the necessary services required under the contract. Agents and / or brokers of any proposer will not be allowed at any presentation or interview. If shortlisted for an interview, the proposer will be notified of the exact requirements to be addressed at the interview.

Disclosure of Proposals

Upon submission, proposals and other materials submitted by the Proposers become records subject to the freedom of information laws of Massachusetts. The City may deny the public access to such records or applicable portions of any submission which are deemed to be "trade secrets" or are maintained for the regulation of commercial enterprise which, if disclosed, would cause "substantial injury to the competitive position of the subject enterprise", "are specifically exempt from disclosure by State or Federal statute", or are otherwise exempted from disclosure under law. Proposers should mark as "Confidential" only those portions of their proposal which they believe are not required to be disclosed under law. The City, however, is obligated to disclose information consistent with the requirements of law notwithstanding any such marking

made by the Proposers. Cost proposals / rates are not to be considered as confidential or trade secrets.

Examination of Specifications

The proposer shall carefully examine the RFQ/P and all other documents and data associated with this contract, and become familiar therewith. The Proposers shall not at any time after executing a contract, make any claims whatsoever alleging insufficient data or incorrectly assumed conditions, nor shall he claim any misunderstandings with regard to the nature, conditions, or character of the work to be completed under this contract, and shall assume all risks resulting from any changes in the conditions which may occur during the progress of the work.

Contract Award

In general, contract(s) resulting from this solicitation will be awarded to the qualified Proposers, whose proposals, costs, and / or presentation / interview will be the most advantageous to the City of Springfield to provide the required services. No contract shall be effective until the City and selected Proposer sign a contract and the City issues a Notice of Award.

The City has not made a determination as to the number of firms to be selected for this contract; however, it is anticipated that the number selected will be more than one.

Contract Term

The proposed contract to be award by the City will be for the term of one year, with the option to extend the contract for two additional one-year terms, at the full discretion of the City. The City of Springfield Office of Procurement will submit a renewal in writing approximately sixty (60) days prior to the expiration of the contract.

Section 2 – Submittal Procedures and Format

General Submission Requirements

- Submit one original and 6 copies of the entire submission package. Please mark original clearly.
- Submissions must be received to the Office of Procurement before 2:00 pm on October 14, DAY, 2015. Proposers are recommended to include their firm name and complete address on the outer envelope and / or wrapper enclosing the submission. The outer envelope should be addressed as follows:

Office of Procurement
36 Court Street – Room 307
Springfield, MA 01103
Attn: Lauren Stabilo, Chief Procurement Officer

RFQ/P Title” On-Call Professional Engineering Services” – Bid 16-061
Closing Date – October 14, 2015 @ 2:00pm

- Proposals are due by 2:00 pm on the closing date listed above. No proposals will be accepted after the closing time. Proposals may be delivered to the Office of Procurement at the address listed above between the hours of 8:30 am and 4:30 pm Monday through Friday, excluding holidays observed by the City, except date due submission. Proposers are responsible for informing any commercial delivery services of all delivery requirements, and for assuring that all necessary information appears on the outer wrapper of the package as directed.
- The City will not accept electronic or telegraphic proposals.
- Each Section must be tabbed and titled as requested below.

Submission Format

The submission package should be in the sequence and format listed as follows. Submission should have divider pages and be titled as stated.

- Cover Letter
- Executive Summary
- Tab 1 – Team Organization
- Tab 2 – Designer Application Form

- Tab 3 – Background of Firm
- Tab 4 – Professional Personnel
- Tab 5 – Hourly Rates
- Tab 6 – Quality Assurance Plan
- Tab 7 – Affirmative Action Plan

Cover Letter

At a minimum, the Cover Letter must:

- Provide a list of Similar Municipal Engineering Experience – also specify if any work is under a similar On-Call arrangement
- Identify the Project Manager
- State that the submitting firm has an office in the State of Massachusetts
- State that the office designated as “prime work location” must be within 50 miles of the City of Springfield. Preference will be given to firms relative to their distance from the City of Springfield.
- State that the Project Manager is a Registered Professional Engineer in the State of Massachusetts and has been with the current firm for a minimum of 3 years.
- Includes a statement that the proposer accepts all terms and conditions contained in the RFQ/P
- Provide a statement that addenda has been received, reviewed and accepted as part of the RFQ/P

Executive Summary

This section should include a brief overview of material included the following sections and include all requested statements or exceptions noted by the proposer.

This section should also include all of the required forms fully executed including:

- **Cover Page**
- **Affirmative Action Plan**
- **Tax Certification Affidavit for Contractors**
- **Collusion or Fraud Statement**
- **Signed Addenda (if Issued)**

Tab 1 – Team Organization

The proposer must provide a listing of required services that the firm will be providing, along with which services will be provided by any subconsultants. The proposer must also submit an organizational chart that clearly identifies the Project Manager, the services that will be

provided, and the individuals who will be providing those services, and which firm they are associated with, if they are with a sub-consultant.

Tab 2 – Designer Application Form

The proposer must submit a completed "Standard Designer Application Form for Municipalities and Public Agencies not within DSB Jurisdiction (Updated May 2014)". A copy of the form is attached and can be downloaded in Word format or PDF format from www.mass.gov website. The primary firm is responsible for completing all sections of the form, and a completed section 8B must be submitted for each subconsultant.

Tab 3 – Background of Firm – Project Experience

Please include the following information in this section:

- Firm Name
- Parent Company (if any) and year acquired
- Year Established
- Any former name that firm has been known by
- Business address of Parent Company (if any)
- Business address of office to be in primary charge of the work
- Name of Project Manager
- Name of Person to Contact with any questions about proposal
- Name of Firm Principals, where registered and current professional standing
- Type of Services that primary firm is qualified to provide.
- Listing of Primary Firm and Subconsultant Qualifications

This section should also include a narrative section on relevant experience of the primary firm and all included subconsultants. Individual project pages are acceptable, however, all experience listed should only be from the last 5 years to be considered relevant. Project information should include references.

Tab 4 – Professional Personnel - Resumes

This section shall include resumes of all individuals from the primary firm and subconsultants to be involved in this assignment with the City of Springfield. The resumes shall be limited to two pages in length, include the number of years an individual has been with the current firm and identify which specific area of expertise the individual will provide under headings such as:

- Civil Engineers
- Structural Engineers
- Landscape Architects

- Transportation Engineers
- Electrical Engineer
- Geotechnical Engineer
- Land Surveyor
- Environmental Engineer
- Licensed Site Professional
- Construction Administrator / Inspector / Management
- Architects
- Etc.

The resume of the Project Manager can be more than 2 pages in length. The Project Manager must have:

- A minimum of 10 years' experience
- Bachelor's Degree in Engineering
- Must have been with the current firm for a minimum of 3 years
- Must be a registered Professional Engineer in Massachusetts
- Must have acted as Project Manager on similarly size On-Call Contracts in the recent past with the current company.

Tab 5 – Fee Schedule - Hourly Rates

The proposer shall include in this section a complete list of hourly rates for the primary firm and for all subconsultants. The rates should be in a combined format rather than separate sheets for each firm, if appropriate. Contractor must also identify how project expenses will be addressed and charged.

Proposers must state in the Executive Summary portion of their submittal if they will renew the contract for the second and third years at the hourly rates included in the original submission or if new hourly rates will be submitted.

Tab 6 – Quality Assurance Plan

The proposer must include a copy of the firm's Quality Assurance Plan in this section.

The selected consultants shall perform all work to the highest standards of professional care. The consultant shall establish and maintain a Quality Assurance Plan, subject to the Owners approval, setting forth the Consultants policy for Quality assurance and procedures for implementing that policy. Such plan must apply to all employees engaged in work under this

assignment, include regular and written procedures for performance of all project activities, and provide sufficient information to senior managers to enable effective supervision of project.

The submitted Quality Assurance Plan must provide details of your internal control system, which controls the following areas at a minimum:

- Design Review and Quality Assurance
- Project Scheduling
- Personnel Assignments and Scheduling
- Financial Control

Tab 7 – Affirmative Action Plan

The proposer must submit a copy your firm's Affirmative Action Plan. Please provide in this section your firm's policies and goals in regards to the recruitment of minority men and women. See Appendix C for other required information to be submitted.

Section 3 – Evaluation Procedure and Criteria

Submission Requirements

Any proposer who does not meet all of the outlined submission requirements, including submission of all necessary forms and documents, will be rejected, deemed non responsive, and will not be considered for the contract.

Selection Committee

The City will be assembling a selection committee for this project. At this time the members have not been identified.

Selection Process

The City will be using a two step selection process -

STEP 1 - Upon receipt of all submissions deemed to meet all of the outlined submission requirements, the selection committee will review independently all of the proposals using the Consultant Ranking Form located in Appendix A for each Proposer. Proposers will then be ranked from highest to lowest based upon scores achieved.

STEP 2 - If deemed necessary by the City, oral presentations / interviews will be held by the City. Specific selection criteria used in the interview process will be distributed to the firms selected for interviews.

A determination has not been made as to the number of firms to be selected for this contract, however, there will be more than one firm selected.

General Selection Criteria

The following general criteria shall be used to evaluate the firms submitting proposals:

- Proposer / team provides all necessary services required of the City
- Proposer has provided similar services to similarly sized communities in Massachusetts
- Project Manager possesses significant diversified engineering experience
- Understanding of the work requirements
- Qualifications of Personnel
- Necessary resources to complete assigned tasks
- Compliance with Affirmative Action Requirements
- Quality of Oral Presentation / Interview, if required

Minimum Evaluation Criteria

Proposers must meet the following minimum requirements:

- Ten (10) years experience of providing similar on-call engineering experience
- Project Manager must have a minimum of 3 continuous years' service with current firm
- Must meet all Affirmative Action requirements
- Firm must have an office in the State of Massachusetts
- Office designated as "prime work location" must be within 50 miles of the City of Springfield

All of the above minimum evaluation criteria must be addressed in the Cover Letter submitted to the City of Springfield.

Section 4 – Scope of Work

General

The City of Springfield acting through its Department of Public Works (DPW) wishes to engage one or more multi-disciplined engineering for a variety of services on an “as-needed” basis. The procurement will cover the general engineering needs of the DPW and various other City Departments. Some of the services may include:

- Consultation and Advice
- Feasibility Studies
- Field Investigation and Engineering Data Collection
- Engineering Reports
- Land Surveying
- Construction Cost Estimating
- Design Services, whole or in part
- Construction Management and Inspection
- Materials Testing
- Value Engineering
- Expert Testimony
- Environmental Assessments
- Landfill Services
- Preparation of O&M Manuals
- State of Federal Agency Mandate Compliance

The Consultants may be required to accomplish projects which require special expertise and/or are too large for execution by City staff. Typical areas of expertise to be needed under this agreement include but are not limited to:

- Architectural Services
- Aerial Surveys
- Bridge Engineering
- Composting
- Construction Inspection & Administration
- Construction Management
- Electrical Engineering
- Environmental Permitting
- Environmental Sciences and Engineering
- Geographic Information Systems

- Flood Control Systems
- Highway and Street Engineering
- Land Surveying
- Building Inspections and Assessments
- Mechanical Engineering
- Pavement Management
- Solid Waste Management
- Traffic Engineering
- Hazardous Material
- Geotechnical Engineering

The selected engineering firm(s) will provide a wide range of design and specialized consulting services through the medium of appropriately staffed divisions, subconsultants or subsidiary organizations. To be properly qualified to render specialized engineering services, the division, subconsultant or subsidiary organization must be directed by a professional engineer with training and experience in the specialized field.

The Consultants will have prime responsibility for all aspects of the projects as assigned. It is understood that the Consultant selected may not have on-staff all of the fields of expertise and engaging subconsultants may be necessary on some projects.

With regard to subconsultants, if firms identify specific outside firms to provide certain services, the required information identified in Section 2 of this document. Depending upon the services identified, it may be necessary to have the subconsultant attend the oral presentation / interview, if invited.

This procurement and scope of services will be limited to the extent that statutory procedures govern the selection of engineers for certain types of projects.

Appendix A – Consultant Ranking Form

On-Call Engineering Consultant Ranking Form



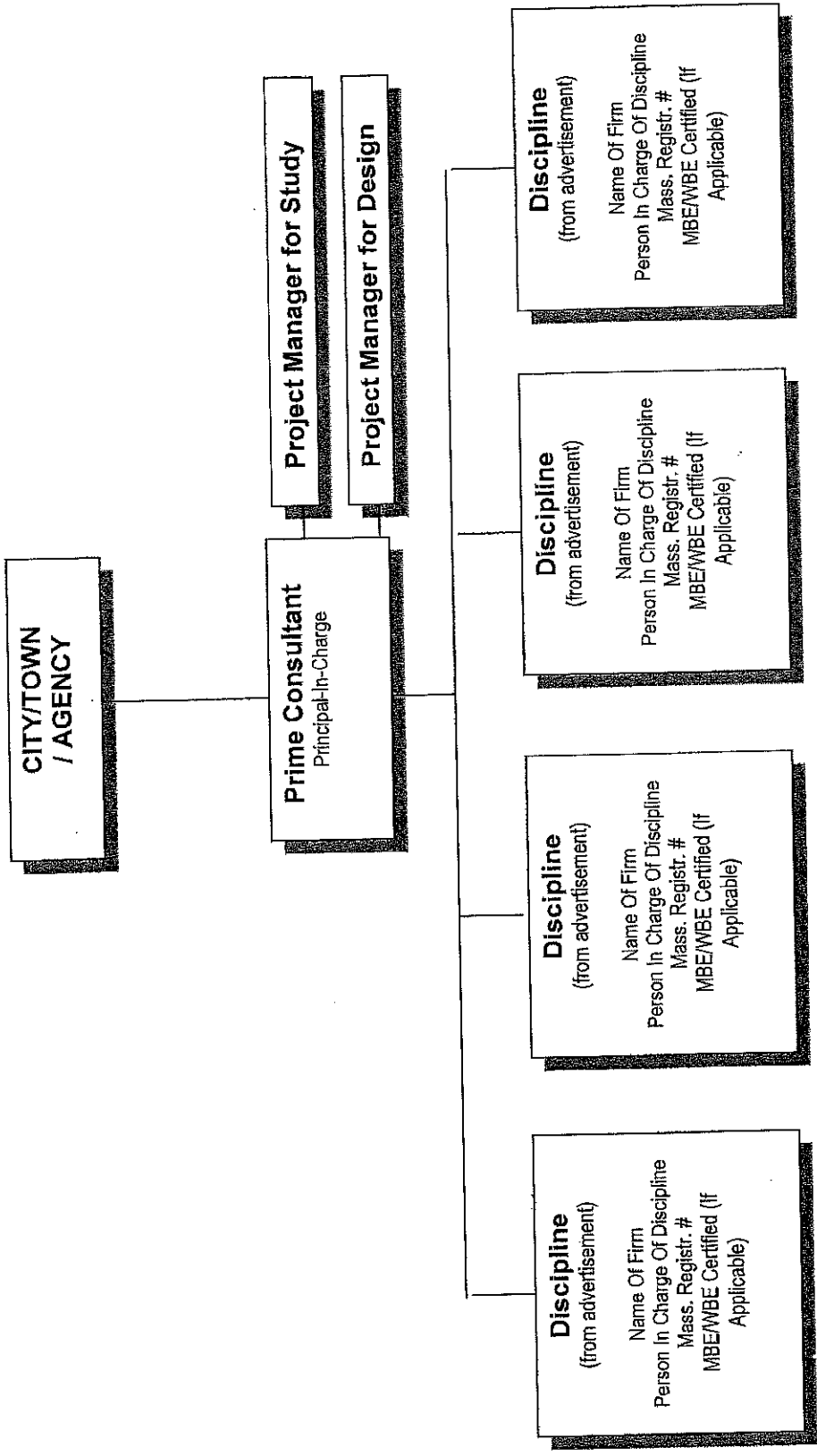
Firm being Reviewed: _____

Reviewer name: _____

1.	Overall Quality of Proposal (15 points)	Score:
	Comments:	
2.	Similar On-Call Engineering Experience (20 Points)	Score:
	Comments:	
3.	Project Manager Experience (15 Points)	Score:
	Comments:	
4.	Does Team Provide all of the Necessary Services (15 Points)	Score:
	Comments:	
5.	Team Experience (25 Points)	Score:
	Comments:	
6.	Competitiveness of Hourly Rates and Office Location (10 Points)	Score:
	Comments:	
Total Consultant Score:		

**Appendix B –
Standard Designer
Application Form for
Municipalities and Public
Agencies not within DSB
Jurisdiction
(Updated May, 2014)**

6. List **ONLY** those Prime and Sub-Consultant Personnel Specifically Requested in The Advertisement. This Information Should Be Presented Below in The Form Of An Organizational Chart. Include Name Of Firm And Name Of The One Person In Charge Of The Discipline, With Mass. Registration Number, As Well As MBE/WBE Status, If Applicable.



<p>7. Brief Resume of ONLY those Prime Applicant and Sub-Consultant personnel requested in the Advertisement. Include Resumes of Project Managers. Resumes should be consistent with the persons listed on the Organizational Chart in Question # 6. Additional sheets should be provided only as required for the number of Key Personnel requested in the Advertisement and they must be in the format provided. By including a Firm as a Sub-Consultant, the Prime Applicant certifies that the listed Firm has agreed to work on this Project, should the team be selected.</p>	
<p>a. Name and Title Within Firm:</p>	<p>a. Name and Title Within Firm:</p>
<p>b. Project Assignment:</p>	<p>b. Project Assignment:</p>
<p>c. Name and Address Of Office In Which Individual Identified In 7a Resides:</p>	<p>c. Name and Address Of Office In Which Individual Identified In 7a Resides:</p>
<p>d. Years Experience: With This Firm: _____ With Other Firms: _____</p>	<p>d. Years Experience: With This Firm: _____ With Other Firms: _____</p>
<p>e. Education: Degree(s) /Year/Specialization</p>	<p>e. Education: Degree(s) /Year/Specialization</p>
<p>f. Active Registration: Year First Registered/Discipline/Mass Registration Number</p>	<p>f. Active Registration: Year First Registered/Discipline/Mass Registration Number</p>
<p>g. Current Work Assignments and Availability For This Project:</p>	<p>g. Current Work Assignments and Availability For This Project:</p>
<p>h. Other Experience and Qualifications Relevant To The Proposed Project: (Identify Firm By Which Employed, if Not Current Firm):</p>	<p>h. Other Experience and Qualifications Relevant To The Proposed Project: (Identify Firm By Which Employed, if Not Current Firm):</p>

8a. Current and Relevant Work By Prime Applicant Or Joint-Venture Members. Include ONLY Work Which Best Illustrates Current Qualifications In The Areas Listed In The Advertisement (List Up To But Not More Than 5 Projects).					
a. Project Name And Location Principal-In-Charge	b. Brief Description Of Project And Services (Include Reference To Relevant Experience)	c. Client's Name, Address And Phone Number (Include Name Of Contact Person)	d. Completion Date (Actual Or Estimated)	e. Project Cost (In Thousands)	
				Construction Costs (Actual, Or Estimated If Not Completed)	Fee for Work for Which Firm Was Responsible
(1)					
(2)					
(3)					
(4)					
(5)					

8b. List Current and Relevant Work By Sub-Consultants Which Best Illustrates Current Qualifications In The Areas Listed In The Advertisement (Up To But Not More Than 5 Projects For Each Sub-Consultant). Use Additional Sheets Only As Required For The Number Of Sub-Consultants Requested In The Advertisement.

Sub-Consultant Name: a. Project Name and Location Principal-In-Charge	b. Brief Description Of Project and Services (Include Reference To Relevant Experience	c. Client's Name, Address And Phone Number. Include Name Of Contact Person	d. Completion Date (Actual Or Estimated)	e. Project Cost (In Thousands)	
				Construction Costs (Actual, Or Estimated If Not Completed)	Fee For Work For Which Firm Was/Is Responsible
(1)					
(2)					
(3)					
(4)					
(5)					

9. List All Projects Within The Past 5 Years For Which Prime Applicant Has Performed, Or Has Entered Into A Contract To Perform, Any Design Services For All Public Agencies Within The Commonwealth.

# of Total Projects:		# of Active Projects:		Total Construction Cost (In Thousands) of Active Projects (excluding studies):		
Role P, C, JV *	Phases St., Sch., D.D., C.D., A.C.*	Project Name, Location and Principal-In-Charge	Awarding Authority (Include Contact Name and Phone Number)	Construction Costs (In Thousands) (Actual, Or Estimated if Not	Completion Date (Actual or Estimated) (R)Renovation or (N)New	
		1.				
		2.				
		3.				
		4.				
		5.				
		6.				
		7.				
		8.				
		9.				
		10.				
		11.				
		12.				

* P = Principal; C = Consultant; JV = Joint Venture; St. = Study; Sch. = Schematic; D.D. = Design Development; C.D. = Construction Documents; A.C. = Administration of Contract

10. Use This Space To Provide Any Additional Information Or Description Of Resources Supporting The Qualifications Of Your Firm And That Of Your Sub-Consultants For The Proposed Project. If Needed, Up To Three, Double-Sided 8 1/2" X 11" Supplementary Sheets Will Be Accepted. **APPLICANTS ARE ENCOURAGED TO RESPOND SPECIFICALLY IN THIS SECTION TO THE AREAS OF EXPERIENCE REQUESTED IN THE ADVERTISEMENT.**

Be Specific – No Boiler Plate

11. Professional Liability Insurance:

Name of Company	Aggregate Amount	Policy Number	Expiration Date
-----------------	------------------	---------------	-----------------

12. Have monies been paid by you, or on your behalf, as a result of Professional Liability Claims (in any jurisdiction) occurring within the last 5 years and in excess of \$50,000 per incident? Answer **YES** or **NO**. If **YES**, please include the name(s) of the Project(s) and Client(s), and an explanation (attach separate sheet if necessary).

13. Name Of Sole Proprietor Or Names Of All Firm Partners and Officers:

Name	Title	MA Reg #	Status/Discipline	Name	Title	MA Reg #	Status/Discipline
a.				d.			
b.				e.			
c.				f.			

14. If Corporation, Provide Names Of All Members Of The Board Of Directors:

Name	Title	MA Reg #	Status/Discipline	Name	Title	MA Reg #	Status/Discipline
a.				d.			
b.				e.			
c.				f.			

15. Names Of All Owners (Stocks Or Other Ownership):

Name And Title	% Ownership	MA. Reg.#	Status/Discipline	Name And Title	% Ownership	MA. Reg.#	Status/Discipline
a.				d.			
b.				e.			
c.				f.			

16. I hereby certify that the undersigned is an Authorized Signatory of Firm and is a Principal or Officer of Firm. I further certify that this firm is a "Designer", as that term is defined in Chapter 7C, Section 44 of the General Laws, or that the services required are limited to construction management or the preparation of master plans, studies, surveys, soil tests, cost estimates or programs. The information contained in this application is true, accurate and sworn to by the undersigned under the pains and penalties of perjury.

Submitted by _____ Printed Name and Title _____ Date _____
 (Signature)

Appendix C – Affirmative Action Plan

APPENDIX C

AFFIRMATIVE ACTION PLAN

NAME OF PROJECT: _____ BID NO.: _____

A.) What is the total number of employees that is currently employed by your company?

NUMBER OF EMPLOYEES										
Overall	MALE					FEMALE				
Total Sum of Col. B thru F	WHITE (NOT OF HISPANIC ORIGIN)	BLACK (NOT OF HISPANIC ORIGIN)	HISPANIC	ASIAN OR PACIFIC ISLANDER	AMERICAN INDIAN OR ALSAKAN NATIVE	WHITE (NOT OF HISPANIC ORIGIN)	BLACK (NOT of Hispanic origin)	HISPANIC	ASIAN OR PACIFIC ISLANDER	AMERICAN INDIAN OR ALSAKAN NATIVE
A	B	C	D	E	F	B	C	D	E	F

B.) What is your anticipated work force for this project? _____

Number of Minorities _____ Number of Females _____

C.) Is your company at least 51% owned and controlled by one of the following groups members? Please circle the appropriate categories.

MALE--FEMALE: Black, Hispanic, Asian, American Indian
Alaskan Native, Cape Verdian, Caucasian,

AUTHORIZED SIGNATURE

DATE

FIRM

ADDRESS

TELEPHONE NO.

THIS FORM MUST BE SUBMITTED BY THE BIDDER WITH THE BID / PROPOSAL, AND SIGNED BY THE BIDDING COMPANY IF THE REQUIRED INFORMATION IS PROVIDED OR NOT. FAILURE TO SIGN THIS FORM WILL RESULT IN THE REJECTION OF YOUR BID PACKAGE

**Appendix D –
Collusion or Fraud Statement**

APPENDIX D

OFFICE OF PROCUREMENT

CITY OF SPRINGFIELD, MA

Bid No. 16-061

**DEPARTMENT OF PUBLIC WORKS, ON CALL ENGINEERING SERVICES --
SPRINGFIELD, MA**

COLLUSION OR FRAUD STATEMENT

**THE UNDERSIGNED CERTIFIES UNDER PENALTIES OF
PURJURY THAT THIS BID IS IN ALL RESPECTS BONA
FIDE, FAIR , AND MADE WITHOUT COLLUSION OR
FRAUD WITH ANY OTHER PERSON. AS USED IN THIS
SECTION THE WORD "PERSON" SHALL MEAN ANY
NATURAL PERSON, JOINT VENTURE, PARTNERSHIP,
CORPORATION OR OTHER BUSINESS OR LEGAL
ENTITY.**

NAME OF PERSON SIGNING BID

SIGNATURE

COMPANY NAME

**THIS FORM MUST BE SIGNED AND RETURNED WITH YOUR BID OFFER. FAILURE TO
SUBMIT THIS FORM IS CAUSE FOR IMMEDIATE REJECTION.**

**Appendix E –
Tax Certification Affidavit**

TO BE INCLUDED IN ALL SPECIFICATIONS

COMPLIANCE WITH FEDERAL, COMMONWEALTH OF MASSACHUSETTS, AND CITY OF SPRINGFIELD TAX LAWS.

A. COMPLIANCE WITH TAX LAWS

The contractor must be in compliance at the time it submits its bid and afterwards if selected as the contractor, with all Federal, Commonwealth of Massachusetts and City of Springfield tax laws, the contractor will be disqualified from the bidding procedure.

B. TAX CERTIFICATION AFFIDAVIT.

The contractor **must** complete and return the Tax Certification Affidavit with the contractor's bid/proposal. Failure to complete and return the Tax Certification Affidavit will disqualify the contractor from the bidding procedure.

C. VERIFICATION OF COMPLIANCE WITH FEDERAL AND MASSACHUSETTS TAX LAWS.

If the City of Springfield discovers that the contractor is not in compliance with Federal or Massachusetts tax laws, the contractor shall be excluded from the bidding procedure.

D. COMPLIANCE WITH THE CITY OF SPRINGFIELD TAXES.

If the City of Springfield discovers that the contractor owes the City of Springfield any assessments, excise, property or other taxes, including any penalties and interest thereon, the contractor shall be excluded from the bidding procedure.

The contractor at all times during the term of an awarded contract shall observe and abide by all Federal, Commonwealth of Massachusetts and City of Springfield tax laws and remain in compliance with such laws, all as amended.

FAILURE TO SUBMIT THE FOLLOWING FORM IS CAUSE FOR IMMEDIATE REJECTION.

TAX CERTIFICATION AFFIDAVIT FOR CONTRACTS

Individual Social Security Number _____ State Identification Number _____ Federal Identification Number _____

Company: _____

P.O. Box (if any): _____ Street Address Only: _____

City/State/Zip Code: _____

Telephone Number: _____ Fax Number: _____

List address(es) of all other property owned by company in Springfield: _____
Please Identify if the bidder/proposer is a:

- Corporation _____
- Individual _____ Name of Individual: _____
- Partnership _____ Names of all Partners: _____
- Limited Liability Company _____ Names of all Managers: _____
- Limited Liability Partnership _____ Names of Partners: _____
- Limited Partnership _____ Names of all General Partners: _____

You must complete the following certifications and have the signature(s) notarized on the lines below. Any certification that does not apply to you, write N/A in the blanks provided.

FEDERAL TAX CERTIFICATION

I, _____ certify under the pains and penalties of perjury that _____, to my best knowledge and
(authorized agent) (Bidder/Proposer)
belief, has/have complied with all United States Federal taxes required by law.

_____, Date: _____
Bidder/Proposer/Contracting Entity Authorized Person's Signature

CITY OF SPRINGFIELD TAX CERTIFICATION

I, _____ certify under the pains and penalties of perjury that _____, to my best knowledge and
(authorized agent) (Bidder/Proposer)
belief, has/have complied with all City of Springfield taxes required by law (has/have entered into a Payment Agreement with the City).

_____, Date: _____
Bidder/Proposer/Contracting Entity Authorized Person's Signature

COMMONWEALTH OF MASSACHUSETTS TAX CERTIFICATION

Pursuant to M.G.L. c. 62C §49A, I, _____ certify under the pains and penalties of perjury that _____,
(authorized agent) (Bidder/Proposer)
to my best knowledge and belief, has/have complied with all laws of the Commonwealth relating to taxes, reporting of employees and contractors,
and withholding and remitting child support.

_____, Date: _____
Bidder/Proposer/Contracting Entity Authorized Person's Signature

Notary Public

STATE OF _____, 2015
County of _____, ss.

Then personally appeared before me [name] _____, [title] _____ of [company name] _____, being duly sworn, and made oath that he/she has read the foregoing document, and knows the contents thereof, and that the facts stated therein are true of his/her own knowledge, and stated the foregoing to be his/her free act and deed and the free act and deed of [company name] _____.

My commission expires: _____
Notary Public

YOU MUST FILL THIS FORM OUT COMPLETELY AND, SIGNATURES MUST BE NOTARIZED ON THIS FORM, AND YOU MUST FILE THIS FORM WITH YOUR BID OR CONTRACT. TAX AFFIDAVITS THAT ARE NOT SIGNED AND NOTARIZED WILL BE REJECTED.

**Appendix F –
Sample Contract Terms and
Conditions**

CITY CONTRACT No. 16-061

PROFESSIONAL ON-CALL ENGINEERING SERVICES

This AGREEMENT (also referred to as the contract) is made effective on the date of the last signatory and is made by and between the **CITY OF SPRINGFIELD**, a Massachusetts municipal corporation with a principal office at 36 Court Street, Springfield, Massachusetts 01103, acting by and through its Department of Public Works, with the approval of its Mayor, hereinafter called the "**OWNER**" and **COMPANY, INC.**, a corporation with a usual place of business at Address Road, Town, State ZIP hereinafter called the "**ENGINEER**".

WITNESSETH:

WHEREAS, the owner desires to retain a multidiscipline Engineering firm to provide Professional Engineering Services for project generally described as Special Projects/Basic Ordering Agreement;

WHEREAS, the ENGINEER represents and warrants that the ENGINEER, and its subsidiary organizations and subcontractors, meet the criteria set forth in Bid No. 016-061 and that the ENGINEER possesses the necessary knowledge and experience to perform the Work and services herein described; and

WHEREAS, the OWNER desires to retain the ENGINEER on the terms and conditions set forth in this Agreement and the ENGINEER has agreed to accept such retainer;

NOW, THEREFORE, in consideration of the mutual covenants and agreements hereinafter contained, the parties hereto do hereby agree as follows:

ARTICLE 1: TERM

The term of this AGREEMENT shall be for an initial period of ONE (1) year starting with the effective date. The OWNER solely shall have the option to extend this AGREEMENT on a yearly basis for two (2) additional terms, each term to be for a period of one (1) year.

ARTICLE 2: SCOPE OF SERVICES

A. Services are to be provided only at the request of the Owner acting through its Department of Public Works and various other departments. Services will be requested on an as needed basis, and the Owner is not required to request any services. The Owner retains the right to procure engineering services otherwise than by this Agreement.

B. The ENGINEER agrees to furnish the OWNER the following general engineering services on an "as needed" basis:

1. Consultation and advice;
2. Feasibility Studies ;
3. Field Investigation and Engineering Data Collection;
4. Engineering Reports;
5. Land Surveying;
6. Construction Cost Estimating;
7. Design Services, whole or in part;
8. Construction Management and Inspection;
9. Materials Testing;
10. Value Engineering ;
11. Expert Testimony ;
12. Environmental Assessments;
13. Landfill Services;
14. Preparation of O&M Manuals;
15. State of Federal Agency Mandate Compliance.

C. The ENGINEER may be required to accomplish projects which are too large for execution by the OWNER and /or which require special expertise including but not limited to the following:

1. Architectural Services;
2. Aerial Surveys;
3. Bridge Engineering;
4. Composting;
5. Construction Inspection & Administration ;
6. Construction Management;
7. Electrical Engineering;
8. Environmental Permitting ;
9. Environmental Sciences and engineering;
10. Geographic information Systems;
11. Flood Control Systems ;
12. Highway and Street Engineering;
13. Land Surveying ;
14. Building Inspection and Assessments;

15. Mechanical Engineering;
16. Pavement Management;
17. Solid Waste Management;
18. Traffic Engineering;
19. Hazardous Material;
20. Geotechnical Engineering.

D. The ENGINEER will provide a wide range of design and specialized in consulting services through the medium of an appropriately staffed division or subsidiary organizations or subcontractors. The ENGINEER shall require that the subsidiary organizations or subcontractors be directed by a professional engineer with the requisite training and experience in the specialized field. The ENGINEER always retains the primary responsibility for all aspects of the projects as assigned.

E. The ENGINEER will at all times employ, maintain, and assign to the performance of a project a sufficient number of competent and qualified professional and other personnel to meet the project requirements .

F. The ENGINEER shall establish and maintain a Quality Assurance Plan setting forth the ENGINEER'S policy for quality assurance and procedures for implementing the policy. The Quality Assurance Plan must apply to all employees, subsidiaries, and subcontractors engaged in work for the project and must include regular and written procedures for performance of all Project activities, and provide sufficient information to senior management to enable effective supervision of the Project. The existence of the Quality Assurance Plan does not diminish in any way the responsibility of the ENGINEER to perform all work according to the highest standards of professional care.

G. The ENGINEER shall maintain an effective internal control system sufficient to provide controls on Design review, quality assurance, project scheduling, personnel allocation, and financial control.

H. CHANGES:

The OWNER may make or approve changes within the general scope of services in this AGREEMENT. If such changes affect the ENGINEER'S cost or the time required for performance of the services, an equitable adjustment mutually agreeable to the OWNER and ENGINEER will be made through an amendment to this

AGREEMENT. The ENGINEER is required to make a timely written request for any such changes being requested by the ENGINEER.

ARTICLE 3: PROJECT ORDERS

A. FURNISH ALL SERVICES DESCRIBED HEREIN IN ACCORDANCE WITH THE FOLLOWING OVERALL OBJECTIVES:

The Engineer shall provide services as may be required and requested by the Owner. Provision of these services is to be accomplished under a series of definitive written Project Orders from the Owner to the ENGINEER. The Project Order will identify the work to be accomplished the limit of compensation for each Project Order; and the schedule for performing the scope of service.

B. THE PROCEDURE FOR IMPLEMENTING INDIVIDUAL PROJECT ORDERS SHALL BE AS FOLLOWS:

1. THE ENGINEER shall be notified by the OWNER of the specific Project (s) to be performed, where upon the ENGINEER and the OWNER shall mutually formulate a Scope of Services for each Project Order.
2. THE ENGINEER shall prepare a written proposal stating:
 - a. The Scope of Services
 - b. The proposed schedule for completion:
 - c. The estimated staffing, number of man-hours for each profession, Direct labor costs, other direct costs {reimbursable expenses}, and any other anticipated fees or costs associated with the accomplishment of the Project Order:
 - d. An estimated compensation cost ceiling for the Specific Project Order; and,
 - e. A list of any materials or information required from the OWNER to complete the Project Order Scope of Services.
3. Following OWNER review and approval of the ENGINEER'S proposal, the agreed upon terms and provision shall be prepared in Project Order format (Appendix A) and duly executed by both parties. Only the Director of the applicable City Department shall have the authority to execute a Project Order.
4. No work is authorized on the Project Order until the ENGINEER has received a Notice to Proceed from the OWNER for specific Task. Such authorization shall be in the form of a written letter signed by the Director of

the applicable City Department. Any work performed prior to receiving such Notice to Proceed shall be at the ENGINEERS risk. No work on the final design of any project shall be performed by the ENGINEER without the prior written authorization of the OWNER. All requests for change orders to the Project Order must be made in writing and timely (within ten calendar days of the precipitating event or receipt of information) by the ENGINEER or be considered waived.

5. For the purposes of this entire contract, Owner authorization or approval shall mean written approval signed by the Director of the applicable department. No other employee of the applicable City department shall have the authority to authorize or approve any terms, conditions, or changes to project orders or this Agreement.

C. INFORMATION TO BE INCLUDED IN THE ENGINEER'S PROPOSAL FOR THE PROPOSAL FOR THE PROJECT ORDER:

1. The total estimated engineering cost, along with an hourly rate fee schedule must be included for the different job classifications that will be assigned to the project. Individual employee salaries are not required.
2. A summary, by task, of the man-hours projected for each job classification to be assigned to the project shall also be included along with a statement that the fee schedule shall remain valid for the length of the contract.
3. The ENGINEER is required to certify in writing in the proposal that the total estimated engineering cost is based on a Lump Sum "not to exceed" basis which will include all expenses, and that amount will not be exceeded without prior written authorization from the OWNER.
4. Increases or decreases in the scope of the project may result in an adjustment to the approved Lump Sum fee. Authorization to increase the approved Lump Sum fee will not be considered unless it can be clearly established that actual work is required beyond the currently approved scope of work.
5. The work associated with the total project shall be divided into various project tasks, along with the estimated cost for each task identified.
6. The ENGINEER must provide a time schedule, in bar graph form, from the notice to proceed to completion of the various tasks, as well as a statement requiring that the ENGINEER obtain written approval from the OWNER prior to proceeding into the Final Design phase.
7. The ENGINEER shall provide a statement establishing the length of the contract.
8. The ENGINEER shall include a copy of the proposed Organization Chart for the Project for the OWNERS approval. The Organization Chart shall delineate the names, titles and job duties of all the ENGINEERS employees

as well as any sub-consultants/subcontractors responsible for performance under the Project.

9. The ENGINEER shall designate in writing one person for each Project who, on the ENGINEER'S behalf, shall be responsible for directing and coordinating all of the services to be rendered by the ENGINEER under the Project. Such designee shall be subject to the approval of the OWNER based on the experience and professional licensing requirements.

10. A description of the ENGINEERS proposed approach and methods of operation for accomplishing the work of the project.

11. The ENGINEER shall include a statement that all work on the project shall be performed in accordance with the provisions I this document unless otherwise noted. The ENGINEER shall comply with the OWNERS Engineering Specifications/Guidelines --DECEMBER 1991 (Appendix B) and Hampden County Registry of Deeds Plan Regulations. (Appendix C)

12. The ENGINEER shall indicate an estimated maximum number of record plats that will be required and the fee per plat. The ENGINEER shall include a statement that final fee for this task shall be adjusted based on the actual number of plats prepared.

13. Unless otherwise noted, the original and two (2) copies of the proposal shall be submitted to the Director of the appropriated City department. Original signatures must appear on all copies of the proposal submitted.

D. PAYMENT FOR PROJECT ORDERS:

1. The method of payment shall be the Lump Sum "not to exceed" basis, including expenses, in accordance with Article 4 of this Agreement, with monthly billing based on work performed. Concise progress reports must be submitted with each payment request stating work completed and the status of the various project tasks. Payment requests shall correspond directly with the project tasks as outlined in the proposal.

The following provisions shall be applicable to these payments:

- a. Progress payments will be made up to ninety-five (95%) percent of the total Lump Sum amount.
- b. The remaining five (5%) percent of the total Lump Sum amount will be paid following final acceptance of the completed design documents, report or project deliverable to the Director of the applicable City department. The Date of Final Acceptance shall be determined solely by the Director of the applicable City Department.

- c. At such time that either the payment request or the actual work completed reaches fifty (50%) percent of the total amount, the ENGINEER and the OWNER shall meet to review the project status and projected completion schedule.
- d. The following statement is to be included on all invoices:

"I certify that the amount of this invoice is just and correct and in accordance with the terms of the contract, and payment thereof has not been previously received."

Signature: _____ Title: _____ Date: _____

ARTICLE 4: COMPENSATION

- A. All obligations of the OWNER are subject to the existence of a sufficient appropriation to meet said obligations.
- B. The OWNER is not obligated for any compensation or any expenses of any kind unless the OWNER has given prior approval therefore.
- C. Compensation by the OWNER to the ENGINEER will be as follows:

(1) A FIXED LUMP SUM, "NOT TO EXCEED" PAYMENT BASIS WHICH WILL INCLUDE ALL EXPENSES.

(2) Compensation shall be in accordance with the ENGINEER'S proposal attached hereto as **Appendix D:**

(3) For any extension terms, if the OWNER and the ENGINEER do not agree to maintain compensation as set forth in Appendix D, then the Consumer Price Index (C.P.I. .U.), The United States City Average-All Urban Consumers, as determined by the Bureau of Labor Statistics, shall be utilized for any price adjustment from the previous year's prices. The compensation for extension terms will not increase greater than the (C.P.I.U.) for the previous twelve (12) months. This index will be computed two (2) month prior to the expiration of this Agreement.

D. BUDGET

1. A total first year budgetary amount of FIVE HUNDRED THOUSAND DOLLARS (\$500,000.00) is hereby established for services in ARTICLE 2
The ENGINEER will make reasonable efforts to complete the work on assigned projects within the project budget and will keep the OWNER informed of progress toward that end so that the budget or work effort can be adjusted if found necessary.
2. The ENGINEER is not obligated to incur costs beyond the indicated budgets as may be adjusted, nor is the OWNER obligated to pay the ENGINEER beyond these limits.
3. When any budget has been increased, the ENGINEERS excess costs expended prior to such increase will be allowable to the same extent as if such costs had been incurred after the approved increase.

C. DEFINITIONS

1. DIRECT SALARIES:

Direct Salaries are the amount of wages of salaries paid to the ENGINEER'S employees for work directly performed on the PROJECT, exclusive of all payroll-related taxes, payments, premiums and benefits.

2. SALARY COSTS:

Salary Costs are the amount of wages or salaries paid ENGINEER'S employees for work directly performed on the PROJECT. Such costs are determined by the ENGINEER'S price proposal attached hereto to Appendix D.

3. DIRECT EXPENSES:

Direct Expenses are those costs incurred on, or directly for the PROJECT, including but not limited to: necessary transportation costs, including but limited to: necessary transportation costs, including mileage at ENGINEER'S current rate when its automobiles are used, meals and lodging, laboratory tests and analyses, computer services, word processing services, telephone, printing, binding and reproduction charges, all costs associated with outside consultants,

sub-consultants and other outside services and facilities and other similar costs.

Reimbursement for Direct Expenses will be on the basis of actual charges, without any mark up. A 5% fee may be added to all subcontractors' costs.

ARTICLE 5: TERMS OF PAYMENT FOR PROGRESS PAYMENTS FOR PROJECT ORDERS

- A. It is anticipated that progress payments for each Project Order shall be made to the ENGINEER monthly. The ENGINEER shall not be paid more for any Project Order at any time than would be due on a percentage of completion basis with respect to that Project Order as determined by the OWNER.
- B. The OWNER need not process a request by the ENGINEER for payment unless the ENGINEER submits invoices meeting the following conditions:
 1. Proper Invoice: In addition to any other requirement set forth in this contract with respect to what constitutes a proper invoice for the ENGINEER to be entitled to receive payment, the ENGINEER 's invoice, in triplicate, must set forth per the following:
 - a. A description, with specificity , of the goods delivered, work performed, services rendered, or other event initiating entitlement to payment pursuant to the terms hereof.
 - b. That portion of the contract price related to such payment less any deductions, such as retainage, required pursuant to the terms hereof.
 - c. The contract number: Should the invoice not be calculated correctly, such as not taking into account retainage as a deduction, the OWNER may either reject the invoice or treat the invoice as proper only to the extent of the correct calculation.
 2. Supporting Documentation: In addition to any other requirement set forth in this contract with respect to what supporting documentation must accompany an invoice , the

following documents must be attached to any invoice submitted by the ENGINEER:

- a. A completed itemized listing of all employees, by name, with and itemization of hour worked and hourly rates.
- b. Out of Pocket Expenses: A summary showing all charges that are actual and are in conformity with the contract and have not previously been charged. In addition, copies of paid invoices are required.
- c. Such other supporting documentation as the sub-consultant's payment forms and support, or similar.
- d. For contracts requiring payment upon milestones of performance a certificate, or equivalent document, that the milestone has been achieved.
- e. Any other documentation reasonably requested by the OWNER.

ARTICLE 6: OBLIGATIONS OF THE ENGINEER

Amendments to ARTICLE 6, if any, will be included in the Project Order.

A. SUBSURFACE INVESTIGATIONS:

In soils, foundation, groundwater, and other subsurface investigations, the actual characteristics may vary significantly between successive test points and sample intervals and at locations other than where observations, explorations, and investigations have been made. Because of the inherent uncertainties in subsurface evaluations, the OWNER and the ENGINEER acknowledge that changed or unanticipated underground conditions may occur that could affect total PROJECT cost and/or execution. The ENGINEER shall use the ENGINEER'S best efforts to keep the OWNER fully apprised regarding subsurface conditions.

B. ENGINEERS' PERSONNEL AT CONSTRUCTION SITE:

1. The presence or duties of the ENGINEER'S personnel at a construction site, whether as onsite representatives or otherwise, do not make the ENGINEER or its personnel in any way responsible

for those duties that belong to the OWNER and/or the construction contractors or other entities, and do not relieve the construction contractors or any other entity of their obligations, duties and responsibilities, including, but not limited to, all construction methods, means, techniques, sequences and procedures necessary for coordination and completing all portions of the construction work in accordance with the Contract Documents and any health or safety precautions required by such construction work.

2. The ENGINEER and its personnel have no authority to exercise any control over any construction contractor or other entity or their employees in connection with their work or any health or safety precautions and have no duty for inspecting, noting, observing, correcting or reporting on health or safety deficiencies of the construction contractor or other entity or any other persons at the site except ENGINEER 'S own personnel.

C. OPINIONS OF COST, FINANCIAL CONSIDERATIONS, AND SCHEDULES:

In providing opinions of cost, financial analyses, economic feasibility projections, and schedules for the PROJECT, the ENGINEER has no control over cost or price of labor and materials; unknown or latent conditions of existing equipment or structures that may affect operation or maintenance costs; competitive bidding procedures and market conditions; time or quality of performance by third parties; quality, type, management, or direction of operating personnel; and other economic and operational factors that may materially affect the ultimate PROJECT cost or schedule. Therefore, the ENGINEER makes no warranty that the OWNER'S actual PROJECT costs, financial aspects, economic feasibility or schedules will not vary from the ENGINEER 'S opinions, analyses, projections or estimates. When the OWNER requires the ENGINEER to prepare quantity and material take-offs and/or opinions of cost from plans and specifications that are less than one hundred (100%) percent complete, the ENGINEER will not be responsible for any and all loss, liability or claims resulting from the incompleteness.

D. CONSTRUCTION PROGRESS PAYMENTS:

Recommendations by the ENGINEER to the OWNER for periodic construction progress payments to the construction contractor will be based on the ENGINEER'S knowledge, information, and belief from selective sampling that the work has progressed to the point indicated. Such recommendations do not represent that continuous or detailed examinations have been made by the ENGINEER to ascertain that the construction contractor has completed the work in exact accordance with the contract documents; that the final work will be acceptable in all respects, that the ENGINEER has made an examination to ascertain how or for what purpose the construction contractor has used the monies paid; that title to any of the work, materials, or equipment has passed to OWNER free and clear of liens, claims, security interests, or encumbrances; or that there are no other matters at issue between OWNER and the construction contractor that affect the amount that should be paid.

E. RECORD DRAWINGS :

Record drawings, if required, will be prepared, in part, on the basis of information compiled and furnished by others, and may not always represent the exact locations, type of various components, or exact manner in which the PROJECT was finally constructed. The ENGINEER is not responsible for any errors or omissions in the information from others that are incorporated into the record drawings as long as the ENGINEER reasonably believes such information to be correct.

F. ACCESS TO ENGINEERS ACCOUNTING RECORDS:

Right to Audit: The Engineer shall maintain books, records, and accounts of all costs in accordance with generally accepted accounting principles and practices. The OWNER or its authorized representative shall have the right to audit the books, records, and accounts of the ENGINEER under any of the following conditions:

1. If the Contract is terminated for any reason in accordance with the provisions of these Contract Documents in order to arrive at equitable determination of costs;
2. In the event of a disagreement between the ENGINEER and the OWNER on the amount due the ENGINEER under the terms of this Contract;

3. To check or substantiate any amounts invoiced or paid which are required to reflect the costs of the ENGINEER, or the ENGINEER'S efficiency or effectiveness under this Contract or in connection with extras, changes, additions, back charges, or other, as may be provided for in this Contract; and/or
4. If it becomes necessary to determine the OWNER 'S rights and the ENGINEER' S obligations under the Contract or to ascertain facts relative to any claim against the ENGINEER which may result in Charge against the OWNER.
5. To provide any required information to a funding source of the OWNER.
6. Under these stated conditions , The OWNER shall have unlimited access during normal working hours to the ENGINEER 'S books and records for an audit; and the ENGINEER shall cooperate with the performance of the audit including but not limited to providing copies of requested documents.

G. ENGINEER'S INSURANCE:

The ENGINEER will maintain at a minimum throughout this AGREEMENT the following insurance:

1. Worker's compensation and employer's liability insurance as required by the state or province where the work is performed.
2. Comprehensive automobile and vehicle liability insurance covering claims for injuries to members of the public and/or damages to property of others arising from use of motor vehicles, including onsite and offsite operations, and owned, non-owned, or hired vehicles, with \$1,000,000 combined single limits.
3. Commercial general liability insurance covering claims for injuries to members of the public or damage to property of others arising out of any covered act or omission of the ENGINEER or of any of its employees, agents, or subcontractors, with \$1,000,000 combined single limits.
4. Professional liability insurance of \$2,000,000.

5. OWNER will be named as an additional insured with respect to liabilities hereunder in insurance coverages identified in items "2" and "3", and ENGINEER waives subrogation against OWNER as to said policies.

H. If the ENGINEER claims that the ENGINEER or any of its subsidiaries or sub-contractors is held up or cannot perform the work because of a failure on the part of the OWNER, then the ENGINEER must timely (within ten calendar days of the knowledge of this failure) and in writing inform the OWNER of this fact or the claim is considered waived.

I. CONTRACTOR INDEMNIFICATION:

Regarding all Construction Contracts for which the ENGINEER provides assistance to the OWNER, the ENGINEER agrees to include the following paragraph in all such construction contracts for the Owner that are associated with this project.

1. It is mutually covenanted and agreed that the relationship of the Contractor and the OWNER to the work to be performed by the Contractor under this Contract shall be that of an independent contractor. The Contractor will be responsible for all damages, loss or injury, including death, to persons or property that may arise or be incurred in or during the conduct and progress of said work and as the result of any action, omission or operation under the Contract or in connection with the Work under the Contract, whether such action, omission or operation is attributable to the Contractor, the Subcontractor, any material supplier, anyone directly or indirectly employed by any of them, or any other person. The Contractor shall make good any damages that may occur in consequence of the Work or any part of it. The Contractor shall assume all liability, loss and responsibility of whatsoever nature by reason of his neglect or violation of any Federal, State, County, or local laws, regulations, or ordinances.

2. The Contractor shall indemnify, hold harmless, and defend the OWNER and ENGINEER, their employees, agents, servants, and representatives from and against any and all claims, suits, demands, actions, costs (including attorney's fees) and damages of whatever nature, regardless of the merit thereof, which may be asserted against the OWNER and/or ENGINEER on account of any such damages or injuries including death, arising out of or resulting from the performance

of the Contractor's Work or the failure to perform the Contractor's Work, or the failure to perform the Contractor's Work, including jurisdictional labor disputes or other labor troubles that may occur during the performance of the Contractor's Work, whether or not such damages or injuries, including death, are caused in part by the negligence of the OWNER and/or ENGINEER, their employees, agents, servants or representatives; provided, however, that the Contractor shall not be obligated to indemnify the OWNER and /or ENGINEER hereunder for any damages or injuries, including death, caused by or resulting from the sole negligence of the OWNER and/or ENGINEER.

3. The indemnification obligations under this Article shall not be affected in any way by any limitation on the amount or type of damages, compensation or benefits payable by for the Contractor or Subcontractor under worker's or workman's compensation acts, Disability benefit acts, or other employee benefit acts.

4. The obligations of the Contractor under this Article shall not extend to the liability of the ENGINEER, his agents, or employees, arising out of: (1) the preparation or approval of maps, drawings, opinions, and reports, surveys, change orders, designs or specifications, or (2) the giving of or the failure to give directions or instructions by the ENGINEER, his agents or employees provided such giving or failure to give is the primary cause of the injury or damage.

5. The above indemnification language will be the standard provisions included in OWNERS Construction Contract Documents.

J. LITIGATION ASSISTANCE:

The Scope of Services will include services of the ENGINEER for required or requested assistance to support, prepare, document, bring, defend, or assist in litigation under taken or defended by the OWNER. All such services required or requested of the ENGINEER; except for suits or claims between the parties to this AGREEMENT shall be reimbursed as mutually agreed, and payment for such services shall be in accordance with ARTICLE 5.

K. SERVICES OF ENGINEER:

The OWNER 'S specifications/guidelines for typical land survey, street

design and/or drainage design are included in **Appendix B**, unless this Agreement is modified or terminated, the OWNER will have all services specified in this AGREEMENT performed by the ENGINEER, employing OWNER'S standard form and content of drawings and specifications except as may be modified in the Project Order. The ENGINEER shall also comply with the Registry of Deeds Plan Regulations (**Appendix C**).

ARTICLE 7: OBLIGATIONS OF THE OWNER:

Amendments to ARTICLE 7, if any, will be included in the Project Order.

A. OWNER-FURNISHED DATA:

The OWNER may provide to the ENGINEER all technical data in the OWNER'S possession, including, but not limited to, previous reports, maps, surveys, borings, and all other information relating to the ENGINEER'S services on the PROJECT. The ENGINEER may, where reasonable, rely upon the accuracy, timeliness, and completeness of the information provided by the OWNER.

B. ACCESS TO FACILITIES AND PROPERTY:

The OWNER will make its facilities accessible to the ENGINEER as required for the ENGINEER'S performance of its services and will provide labor and safety equipment as required by the ENGINEER for such access. The OWNER will perform, at no cost to ENGINEER, such tests of equipment, machinery, pipelines, and other components of the OWNER'S facilities as may be required in connection with ENGINEER'S services, unless otherwise agreed to. The OWNER will be responsible for all negligent acts of OWNER'S personnel.

C. ADVERTISEMENTS, PERMITS, AND ACCESS:

Unless otherwise agreed in the Scope of Services, the OWNER will obtain, arrange, and pay for all advertisements for bids, permits and licenses required by local, state, province, or federal authorities; and land, easements, right-of-way, and access necessary for the ENGINEER'S services or PROJECT construction.

D. TIMELY REVIEW:

The OWNER may examine the ENGINEER'S studies, reports, sketches, drawings, specifications, proposals, and other documents; and may obtain advice of an attorney, insurance counselor, accountant, auditor, and other

consultants as the OWNER deems appropriate; and render in writing decisions required of OWNER in a timely manner. Such review or examination shall not diminish the ENGINEER'S responsibilities under this Agreement.

E. PROMPT NOTICE:

The OWNER will give prompt written notice to ENGINEER whenever the OWNER observes or becomes aware of any development that affects the scope or timing of the ENGINEER'S services, or any defect in the work of the ENGINEER or construction contractors. The giving or failure to give such notice shall not diminish the ENGINEER'S responsibilities under this Agreement.

F. ASBESTOS OR HAZARDOUS SUBSTANCES AND INDEMNIFICATION:

If asbestos or unanticipated hazardous substances in any form are encountered or suspected, the ENGINEER shall immediately notify the OWNER and may stop its own work in the affected portions of the PROJECT to permit testing and evaluation of the problem. If asbestos is suspected, the ENGINEER will, if requested, assist the OWNER in contacting regulatory agencies and in identifying asbestos testing laboratories and demolition/ removal contractors or consultants.

If asbestos is confirmed, the OWNER may engage a specialty consultant or contractor to study the affected portions of the work and perform all remedial measures. If unanticipated hazardous substances other than asbestos are suspected, the ENGINEER may conduct tests as directed by the OWNER to determine the extent of the problem and may perform the necessary studies and recommend the necessary remedial measures at an additional fee to be negotiated.

ARTICLE 8: GENERAL LEGAL PROVISIONS

Amendments to ARTICLE 8, if any, will be included in the Project Order.

A. AUTHORIZATION TO PROCEED:

Execution of this AGREEMENT by the OWNER will be authorization for ENGINEER to proceed with the work when ordered by the OWNER, unless otherwise provided for under this AGREEMENT.

B. REUSE OF PROJECT DOCUMENTS:

All designs, drawings, specifications, documents, and other Work Products of the ENGINEER are instruments of service for the PROJECT whether the PROJECT is completed or not and they become the property of the OWNER. The ENGINEER does not warrant or represent that any Work Products are suitable for use on any project other than this project, and that any such reuse without specific written authorization by the ENGINEER will be at the sole risk of the OWNER, and the OWNER shall indemnify and hold harmless the ENGINEER from all claims, losses and expenses arising out of any unauthorized reuse of said documents.

C. FORCE MAJEURE:

The ENGINEER is not responsible for damages or delay in performance caused by acts of God, strikes, lockouts, accidents, or other events that are within the exclusive control of the OWNER.

D. TERMINATION:

1. Termination of Contract by the OWNER for Cause If, through any cause, the ENGINEER shall fail to fulfill to the OWNER'S satisfaction in a timely and proper manner the ENGINEER'S obligations under this contract, or if the ENGINEER shall violate any of the covenants, agreements, or stipulations of this contract, the OWNER shall thereupon have the right to terminate this contract, by specifying the effective date thereof, in writing, at least five days before the effective date of such termination. In such event, all finished or unfinished documents, data, studies, surveys, drawings, maps, models, and reports prepared by the ENGINEER under this contract shall, at the option of the OWNER, immediately become the property of the OWNER and shall immediately be delivered by the ENGINEER to the OWNER, and the ENGINEER shall be entitled to receive just and equitable compensation for any satisfactory work completed on such documents.

2. Remedies of the OWNER:

In addition to the right to terminate the contract, the OWNER shall also have the right to secure substitute services at the expense of the ENGINEER, require the ENGINEER to perform the promised services, withhold further payment from the

ENGINEER until the services are performed, or, if applicable, call the ENGINEER'S letter of Credit/Escrow Funds to the extent of the loss caused to or costs incurred by the OWNER as a result of the ENGINEER's failure to perform.

3. In the event of termination of this Agreement, at the option of the OWNER, all originals of documents, data, papers, studies and reports prepared by the ENGINEER immediately shall become OWNER property and immediately be delivered by the ENGINEER to the OWNER. In the event of such termination, the ENGINEER shall be entitled to receive just and equitable compensation for any satisfactory work performed as of the termination date.

4. Notwithstanding the forgoing, this Agreement may be terminated with or without cause and for convenience by the OWNER by giving the ENGINEER thirty (30) calendar days written notice of termination signed by the Mayor or his designee, however, the ENGINEER shall be entitled to receive payment for all work satisfactorily completed up to the effective date of termination.

E. SUSPENSION, DELAY OR INTERRUPTION OF WORK:

The OWNER may suspend, delay or interrupt the services of the ENGINEER for the convenience of the OWNER. In the event of force majeure or such suspension, delay, or interruption, an equitable adjustment in the PROJECT'S schedule, commitment and cost of ENGINEER'S personnel and subcontractors, and ENGINEER'S compensation will be made.

F. NO THIRD PARTY BENEFICIARIES:

This AGREEMENT gives no rights or benefits to anyone other than the OWNER and ENGINEER and has no third party beneficiaries.

G. INDEMNIFICATION:

The ENGINEER shall indemnify, defend, and hold the OWNER harmless from and against claims, liabilities, suits, loss, cost, expense, and damages to the extent arising from any act or omission of the ENGINEER, his employees, officers, agent, subcontractors and affiliates, in performance of the work

and services pursuant to this contract. Such indemnification shall include, but not be limited to, claims of breach of contract or warranty, fault, tort, including negligence, strict liability, statutory or regulatory violations.

H. ASSIGNMENT:

Neither party shall have the authority to assign all or any part of this AGREEMENT without the prior written consent of the other party.

I. INTERPRETATION:

Releases from indemnities against, limitations on, and assumptions of liability and limitations on remedies expressed in this AGREEMENT shall apply even in the event of breach of contract or warranty, fault, tort including negligence, strict liability, statutory, or any other cause of action (except for willful or reckless disregard of obligations) of the party released or indemnified, or whose liability is limited or assumed or against whom remedies are limited. Party, as used herein, includes the named parties, their officers, employees, agents, subcontractors, and affiliates.

J. JURISDICTION:

This is a Massachusetts Contract. The law of the Commonwealth of Massachusetts shall govern the validity of the Agreement, its interpretation and performance, and other claims related to it. Any actions resulting from the interpretation of, performance of, or related in any way to this Agreement shall be brought in the Superior Court of Hampden County, Massachusetts sitting in Springfield, (except for claims by the City of a value less than \$25,000.00 which shall be brought in the District Court sitting in Springfield, Massachusetts), or the United States District Court for the District of Massachusetts, sitting in Springfield, Massachusetts.

K. SEVERABILITY AND SURVIVAL:

If any of the provisions contained in this AGREEMENT are held for any reason to be invalid, illegal, or unenforceable in any respect, such invalidity, illegality or unenforceability will not affect any other provision, and this AGREEMENT shall be construed as

if such invalid, illegal or unenforceable provision had never been contained herein.

L. ARTICLES 6, 7 and 8 shall survive the termination of this AGREEMENT for any reason.

ARTICLE 9: ADDITIONAL TERMS AND CONDITIONS:

The following terms and conditions are included as part of this AGREEMENT:

A. The ENGINEER shall maintain an Affirmative Action Program regarding the recruitment of minorities and of women that is consistent with the objectives and goals of the Massachusetts State Office of Minority and Women Business Assistance.

B. Subletting of Contract or Contract Funds: The ENGINEER shall not assign, transfer, convey, sublet or otherwise dispose of this contract or of his right, title or interest therein, or of the power to execute such contract to any other person, firm or corporation, without the prior written consent of the OWNER. In no case shall such consent relieve the ENGINEER from the ENGINEER'S obligations or change the terms of this contract.

C. Safeguarding of Information: Any materials given to or prepared by the ENGINEER under this contract shall not be sold or otherwise made available to any individual or organization without prior approval of the OWNER.

D. Nondiscrimination: During the performance of this contract, the ENGINEER agrees as follows:

(1) The ENGINEER will not discriminate against any employee or applicant for employment because of race, color, religion, gender, sexual orientation, disability, family status or national origin, or any other unlawful discrimination, except where the ENGINEER can prove that religion, gender, or national origin is a bona fide occupational qualification reasonably necessary to the normal operation of the ENGINEER. The ENGINEER agrees to post in conspicuous places, available to employees and applicants for employment, notices setting forth the provisions of this nondiscrimination clause.

(2) The ENGINEER, in all solicitations or advertisements for

employees placed by or on behalf of the ENGINEER, will state that such ENGINEER is an equal opportunity employer.

(3) Notices, advertisements, and solicitations placed in accordance with federal and Massachusetts law, rule, or regulation shall be deemed sufficient for the purpose of meeting the requirements of this provision.

(4) The ENGINEER will include the provisions of paragraphs (1), (2) (3) above in every subcontract or purchase order so that the provisions will be binding upon every subcontractor or vendor.

E. Conflict of Interest: Upon the request of the Director of the appropriate City department or any authorized agent of the OWNER, as a prerequisite for any payment requested by the ENGINEER pursuant to the terms of this contract, there shall be furnished to the OWNER a statement, under oath, that no officer or employee of the City of Springfield or any member or employee of a Commission, Board, or Corporation controlled or appointed by the City of Springfield and no member of such person's immediate family, including spouse, parent or children, or any other such family member, has received or has been promised, directly or indirectly, any financial benefit, by way of fee, commission, finder's fee, or in any other manner, remuneration arising from or directly or indirectly related to this contract.

F. Prohibition against Contingent Fees:

The ENGINEER by entering into this Agreement hereby certifies that the ENGINEER has not employed any company or person other than a bona fide employee working for the ENGINEER to secure this agreement and the ENGINEER has not paid or agreed to pay any person, company or corporation, individual or firm other than a bona fide employee working solely for the ENGINEER any favor, commission, percentage, gift, or any other consideration contingent upon or resulting from the award of making this or any other agreement. It is the ENGINEER'S understanding that in the event of a breach or violation of the provision, the OWNER shall have the right to terminate this or any other agreement with the ENGINEER immediately and without liability and at the OWNER'S discretion, to deduct from the contract price or otherwise recover, the full amount of such fee, commission, percentage, gift or consideration.

G. The Director of the appropriate City department shall decide on all matters of contract dispute as raised by the ENGINEER.

H. Decreases and Work Not Performed: If deemed expedient, the OWNER or ENGINEER may decrease the scope of work without effecting enforcement of this contract. If the work is not performed, the ENGINEER and the OWNER shall mutually agree upon the credit due to OWNER based on the reasonable value of the work deleted.

I. Attorney's Fees and Other Expenses: The ENGINEER will not litigate or otherwise pursue any frivolous or unsubstantiated claims. If an ENGINEER'S claim is without substantial justification, the ENGINEER will reimburse the OWNER for all costs and expenses and attorney's fees associated with defending such claim.

J. Compliance: The ENGINEER shall comply and all design work shall conform to all applicable and current additions or revisions of Massachusetts Statewide Building Code, at the time of the design work.

K. ENGINEER'S Representations: By entering into this Contract with the OWNER, the ENGINEER represents and warrants the following, together with all other representations and warranties in the Contract Documents:

1. That the ENGINEER is experienced in and competent to perform the type of work required;
2. That the ENGINEER is financially solvent, able to pay the ENGINEER'S debts as they mature, and possesses sufficient working capital to initiate and complete the work required under the Contract;
3. That the ENGINEER is familiar with all Federal, State, County, Municipal and departmental laws, ordinances, permits, regulations and resolutions applicable to its work which may in any way affect the work of those employed therein, including but not limited to any special acts relating to the work or any part thereof;
4. That such temporary and permanent work required by the Contract which is to be done by the ENGINEER will be satisfactorily performed in accordance with paragraph 6 below;
5. That the ENGINEER will fully comply with all

- requirements of the Contract Documents ;
6. That the ENGINEER will perform the work consistent with sound engineering practice, good workmanship, and sound business practices, and in the most expeditious and economical manner consistent with high industry standards and in the OWNER'S interest;
 7. That the ENGINEER will furnish efficient business administration and experienced management and an adequate supply of employees at all times ; and
 8. That the ENGINEER will complete the work within the Project/Task Time, milestones, and price, unless adjusted by mutual agreement of the parties hereto.
- L. The OWNER retains the right to procure similar engineering services outside of this contract if it deems it to be in the OWNER'S best interest.

M. Any notices to be given to the OWNER under this Agreement shall be given to the Director of the applicable Department of the City. Any notices to be given to the ENGINEER shall be given to Authorized Representative, Company, Inc., Address Road, City/Town, State, and Zip.

ARTICLE 10: ATTACHMENTS, SCHEDULES AND SIGNATURES:

This AGREEMENT including its Attachments and Schedules, constitutes the entire AGREEMENT, supersedes all prior written or oral understandings, and may only be changed by a written amendment executed by both parties.

The following Attachments and Schedules are hereby made a part of this AGREEMENT:

- Appendix A - Project Order Format
- Appendix B - Owner's Engineering Specifications/Guidelines
- Appendix C - Hampden County Registry of Deeds Plan Regulations
- Appendix D - ENGINEER'S Price Proposal

(Signature Page Follows)

CITY OF SPRINGFIELD

CONSULTANTS

Approved as to Appropriation

Comptroller

Approved as to form:

Associate City Solicitor

Acting Chief Administrative & Financial
Officer

Reviewed by:

Finance Department

Chief Procurement Officer

Director of Public Works

Approved:

DOMENIC J. SARNO, MAYOR

Signed this _____ day of _____,

Appendix A

SAMPLE PROJECT ORDER FORMAT

CITY OF SPRINGFIELD, MA

DEPARTMENT OF PUBLIC WORKS

PROJECT ORDER NO. _____

TO:

(ENGINEER)

IN ACCORDANCE WITH ARTICLE I THROUGH VII OF THE CONTRACT FOR

SPECIAL PROJECTS/BASIC ORDERING AGREEMENT

The following is ordered:

- A. Scope of work:
- B. Compensation shall be:
- C. Schedule:

Accepted by the (ENGINEER)	Approved by the (OWNER)
(Title)	(Title)
(Date)	(Date)

APPENDIX B

DECEMBER 1991

OWNERS ENGINEERING SPECIFICATIONS/GUIDELINES

The basic land surveying and engineering services to be provided to the OWNER by a firm will be performed to the following standards and will be comprised of the following phases of work for a typical land survey, street design and/or drainage design:

1. Surveying Phase
2. Preliminary Design
3. Final Design

The work to be performed by firms under each of these phases is outlined below:

Section V. Land Surveying Phase

1. Assemble all available data from existing records relative to utilities, properties, topography, streets and land use, which may affect the engineering design of the project.
2. Make field surveys of existing conditions. The surveys shall provide all data which may be required for the preparation of the final plan, construction contract drawings and record plats. Plans are to be acceptable for filing at the Hampden-County Registry of Deeds and meet the City of Springfield Department of Public Works guidelines. The surveys shall include but not be limited to the following information:

- 2.1 A referenced traverse, including computations, with a minimum closure of 1:35,000. The OWNER shall specify the traverse base to be utilized.
- 2.2 Sufficient property corner ties shall be made to permit accurate computation of all property lines adjacent to and departing from the proposed areas of construction; the preparation of all plats of easement, right-of-ways or land acquisitions as required; and the accurate establishment of these lines in the field. Apparent voids or overlaps in property lines shall be noted and shown.

The purpose of this information is to allow the property corners in areas disturbed during construction to be reset.
- 2.3 A series of referenced elevation benchmarks with a maximum distance of 300 Feet apart minimum second order level results on OWNER specified datum.
- 2.4 Strip topography, printed on polyester film, to be run for the entire length of the project area as follows:
 - Minimum width of 150 feet road and community improvement projects
 - Minimum width of 100 feet for storm sewer and sanitary sewer projects
 - Minimum width of 50 feet for sidewalk and trail projects. At locations
Along an existing road, this width shall extend from existing edge of pavement

Topography to be 20 feet to the inch, two-foot contour interval, for storm drainage, community improvement, sidewalk, trail and road projects and at 40 feet to the inch, two-foot contour interval for sanitary sewer projects, including the following for all projects: telephone, power poles and lines; where not in a forest, trees four or more inches in diameter along with shrubbery in developed areas. In addition, all residences along with first floor and/or basement elevations shall be noted on all projects. Topography may be a separate overlay

- 2.5 Horizontal location of underground conduits or sanitary sewer, stone drainage, water, telephone, electric, gas oil cable t.v. etc. by field surveys. Existing utility companies to be contacted and arrangements made for them to field located their existing facilities. The location of existing utilities from office records will not be acceptable. The elevation of underground conduits shall be determined by any method other than baring and excavation.
- 2.6 Perform all office work required to plot the above information and prepare the base sap(s) need for the base design drawings. Prepare reproducible base sheet (:) showing the topography, street lines(meets and bounds property lines, utilities, right-of-ways, easements and horizontal. And vertical control information. The base sheets(s) are to be prepared at the scale specified in III B, with two-foot contour intervals for all projects. The horizontal and vertical control will include, but not be limited to the following:

ARTICLE1. Horizontal

- (1) Plot the traverse on the base sheet with bearing and distances shown.
- (2) Tie traverse stations to centerline of right of way of proposed construction and all existing structures or control stations with bearings and distances. (Sidewalk and trail projects may be set up with baseline tied to traverse and offset distance provided from baseline).
- (3) Show coordinates of traverse stations, structures, or control stations and all property corners adjacent to route of proposed construction.
- (4) Reference traverse station on base sheet, i.e. designation of object used as a traverse station: H & T, P.K, L Pin, cutnails, spike, etc.
- (5) Tie traverse stations to a minimum of two permanent reference marks.

ARTICLE 2. Vertical

- (1) Describe B.M. on base sheet.

B.M. ELEV. 256.95 (CITY Datum)

Chiseled"X" on top of curb-inlet west side of Main Street

(2) Plot B.M. on base sheet at proper locations, i.e.

- 2.7 The survey crew will make a special effort to advise the property owners of their presence prior to entering upon a property to perform the survey work. This notification procedure should be especially adhered to on all property that will require the cutting or trimming of trees, brush undergrowth, etc. Notification can be accomplished by telephone or by the survey personnel directly informing each resident. All efforts shall be made to locate benchmarks and traverse stations in the right-of-way to minimize property disturbance.

SECTION VI. Preliminary Design

1. Develop preliminary designs and computations and prepare preliminary drawings and/or graphics showing the extent and scope of the project in detail suitable for use in public meetings. The preliminary design will be of sufficient detail to reasonably ensure the feasibility of obtaining the required approvals, permits and future construction of the project.
2. Contact private and public utility companies and others whose facilities may be affected by the proposed construction. Obtain from such companies the available horizontal and vertical location of existing facilities to supplement the field locations provided together with any proposed new construction charges or relocations.
3. OWNER or its designated agent(s), may obtain the detailed horizontal and vertical location via the use of test pits of all underground conduits that cross the proposed facilities that are being designed by the ENGINEER. The ENGINEER shall cooperate with OWNER or its designated agent(s) in providing any information that is required to dig the test pits. In addition, the ENGINEER shall provide the field survey stakeout as required to define the horizontal location of all proposed facilities where a test pit(s) is required.
4. Upon receipt of the test pit data, the ENGINEER shall investigate the feasibility of redesigning the proposed facilities in order to eliminate the projected conflicts. OWNER shall be advised of the results of this investigation and of the extent of utility conflicts.
5. If necessary, perform or cause to be performed the required geotechnical investigation (see Subsurface Soil Investigation).
6. Prepare a preliminary estimate of the quantities and cost of construction based on current unit prices for materials and labor.
7. Determine the limits of property, existing easements and rights-of-way by a detailed review of the recorded land records including any Land Court Records. A determination is to be made on the need for additional easements required for the construction of the project along with advising the OWNER of such requirements.

8. Attend detailed conferences with the OWNER and participate in citizens meetings. The ENGINEER shall prepare meeting minutes of all meetings which are to be forwarded to OWNER within five working days. Unless specifically requested, the ENGINEER shall not be required to attend citizen meetings for sidewalk and trail projects.
9. On road and community improvement projects, a street lighting plan will be prepared by the OWNER using the preliminary plans prepared by the ENGINEER. This plan will be forwarded to the ENGINEER for coordination and inclusion into the final plans.
10. All road improvement projects and community improvement projects will include a standard five-foot concrete walkway(s) unless specifically deleted from the scope of work.
11. The location of the proposed sidewalk(s) shall be in accordance with the OWNER'S specification, unless otherwise noted by OWNER. Any soil tests associated with determining the need for under drains shall be the responsibility of the ENGINEER.
12. All road and community improvement projects will meet the Standard Specifications for Highways and bridges, Commonwealth of Massachusetts, Department of Public Works, 1988; and Commonwealth of Massachusetts Design Criteria and Construction Standards, 1977; as well as the street design section of the City of Springfield Subdivision Regulations, 1991, unless specified otherwise.

SECTION VII. Final Design

1. No work will be initiated on final design until written authorization is received from OWNER.
2. Develop complete designs and computations and prepare final contract drawings showing all proposed construction in sufficient detail to ensure the granting of all necessary, approvals and permits by all affected regulatory agencies and utility companies and to ensure proper execution of the work by a contractor. All plan and profile sheets shall include a graphic scale as follows unless otherwise approved:
 - 2.1 Storm drainage, sidewalk, trail, road and community improvement projects: Horizontal 1" = 40'; vertical 1" = 6'
 - 2.2 Sanitary sewer projects: Horizontal 1" = 40'; vertical 1" = 6'
 - 2.3 On street design plans where a proposed curb, berm, center line or gutter grade will be required profiles of the ground as it exists at each street line shall be shown and identified as such.

All such proposed elevations shall be stationed at a maximum of fifty (50) feet intervals for the entire length of each street and at every change of grade. When the proposed

street is a continuation of an existing street the stationing there of shall be a continuation from the end of the existing street.

- 2.4 All points of curvature, points of tangency, intersections, catch basins, manholes, points of tangency of vertical curves shall be stationed.
- 2.5 The proposed layout and profile of sanitary and storm water lines shall include their location, size, type of material to be used, as well as their related structures. All other utilities shall be located on the Plot portion of the plan. Differentiation shall be made between existing and proposed services.
3. Prepare any special provisions for the project to the construction specifications and reference on the plans.
4. Prepare an Engineer's estimate of the final design quantities and cost of construction based on current unit prices for material and labor.
5. Prepare individual record plats for permanent easements, dedication to public street purposes (Acceptance Plans) and temporary construction or grading easements which will be required for the construction of the project. The record plats shall include:
 - 5.1 "Take" areas computed in square feet and indicated in the lower left hand portion of the plat.
 - 5.2 Two points referenced by OWNER specified traverse base, unless modified.
 - 5.3 Metes and bounds on all "take" areas including complete curve data.
 - 5.4 The same scale as the design drawings, unless approved otherwise by the OWNER, and be on 24" x 36" polyester film whenever possible.
6. Final design plans shall be 4 mil polyester film and will include standard Department of Public Works (DPW) cover sheet with locus map, general notes sheet with erosion / sedimentation requirements as needed along with plan / profile and standard detail sheets. Liberal use of details is encouraged. All sheets, except DPW cover sheets should have OWNERS title block. All plans shall also meet the requirements of the Hampden County Registry of Deeds (see Appendix C.)
 - 6.1 All road projects shall include a revision data sheet.

APPENDIX C

HAMPDEN COUNTY REGISTRY OF DEEDS

PLAN REGULATIONS

AMENDMENTS UNDER THE GENERAL LAWS, CHAPTER 36, SECTION 13A, APPROVED BY THE ATTORNEY GENERAL ARE EFFECTIVE JANUARY 1, 1976 ARE AS FOLLOWS:

1. Plan sizes shall be a minimum of eight and one-half inches by eleven inches (8 1/2" X 11") and a maximum of twenty-four inches by thirty-six inches (24" X 36").
2. Plans being presented for recording shall be on linen or polyester film, single matte with a thickness of .004 mils, and must have an opacity so as to allow consistent diazo and microfilm reproduction.
3. All plans shall be prepared using a compatible ink with excellent cohesiveness which will produce a permanent bond and result in a plan with long term durability.
4. Linen or polyester reproductions shall be accepted for recording provided they contain original signatures and comply with the other requirements for the recording of plans.
5. Each plan shall have three quarter inch (3/4") borders.
6. The minimum letter size on plans presented for recording shall be one eighth inch (1/8").
7. Each plan presented for recording shall include a graphic scale.
8. Each plan shall have an area reserved to receive planning board recitation or contain a surveyors certification as per Chapter 380, Acts of 1966.
9. Each plan shall have a three and one-half inch (3 1/2") square reserved for Registry use.
10. Each plan must contain a certification clause signed by the preparer stating that he/she has conformed with the rules and regulations of the Registers of Deeds in preparing the plan.



CITY OF SPRINGFIELD
OFFICE OF PROCUREMENT
36 COURT STREET, ROOM 307, SPRINGFIELD MASSACHUSETTS 01103

Friday, October 9, 2015
Addendum No. 1 Bid No. 16-061 – On-Call Professional Engineering Services
Bids are due on: October 14, 2015 at 2:00 P.M.

Ladies and Gentlemen:

This is an addendum to the above bid. Special Attention should be given to this addendum to preserve the validity of any proposal submitted in response to this request. Bid responses must acknowledge this and all addenda. Failure to acknowledge this addendum may result in rejection of bid.

The following addresses questions that have been received by the City:

Question 1: The RFQ asks for the Affirmative Action Plan to be included in the executive summary and in Tab 7. Would you like to see it in both locations, or can we just include it in one?

Answer 1: One location is fine.

*Question 2: Should [we] carry a team who can provide engineering for any of the tasks listed in Section 4 – Scope of Work, correct?
As well, can you tell me other firms who have been awarded this contract in the past?*

**Answer 2: The selected engineering firm(s) will provide a wide range of design and specialized consulting services through the medium of appropriately staffed divisions, subconsultants or subsidiary organizations. To be properly qualified to render specialized engineering services, the division, subconsultant or subsidiary organization must be directed by a professional engineer with training and experience in the specialized field. The Consultants will have prime responsibility for all aspects of the projects as assigned. It is understood that the Consultant selected may not have on-staff all of the fields of expertise and engaging subconsultants may be necessary on some projects.
With regard to subconsultants, if firms identify specific outside firms to provide certain services, the required information identified in Section 2 of this document. Depending upon the services identified, it may be necessary to have the subconsultant attend the oral presentation / interview, if invited.
This procurement and scope of services will be limited to the extent that statutory procedures govern the selection of engineers for certain types of projects.**

Currently the City has 5 consultants under contract – Tighe & Bond, Alfred Benesch, Fuss & O'Neill, Weston & Sampson and VHB.

Addendum No. 1 Bid No. 16-061 – On-Call Professional Engineering Services
Bids are due on: October 14, 2015 at 2:00 P.M.

Question 3: A quick question regarding the Rates... Do we need to submit the hourly rates in a separate envelope or it can be combined with the regular proposal?

Also, do we need to have a DSB master file on board with DCAMM in order to submit for this proposal?

Answer 3: Please direct the potential bidder to Section 2 – Submittal Procedures and Format, Submission Format. This details the sequence and format in which the submission package should be arranged.

The submission package should be in the sequence and format listed. Submission should have divider pages and be titled as stated.

There is no requirement in the RFQ to have a DSB master file on board with DCAMM in order to submit for this proposal. Having a DSB master file may be beneficial if work becomes available that is subject to the requirements of any potential state funded projects that the City may undertake.

Question 4: Can you clarify whether the \$500,000 cited on the Estimated Construction Cost represents the maximum fees which will be paid to the selected consultant(s) on a yearly basis or does it represent the maximum construction cost for all projects completed within the year?

Answer 4: Refer to: Section 4 – Scope of Work, General

The City of Springfield acting through its Department of Public Works (DPW) wishes to engage one or more multi-disciplined engineering [firm(s)] for a variety of services on an “as-needed” basis. The procurement will cover the general engineering needs of the DPW and various other City Departments.

Payment for services (fees) under this contract will be taken from the budgeted amount allocated to this work.

The \$500,000 is the budgetary number from which design service fees will be taken from. The cost of the work resulting from any design services is not discussed in the RFQ and will be based on what the city chooses to have done and implementation [with] funding available.

Addendum No. 1 Bid No. 16-061 – On-Call Professional Engineering Services
Bids are due on: October 14, 2015 at 2:00 P.M.

Question 5: Under Executive Summary it says to include Cover Page. Does that refer to the Project Manual Page which is the very first page of the RFQ?

However, this page also states "This form must be completed and signed at the time of the Bid Opening"

I would appreciate if clarification can be provided for this.

Ok...so we need to sign and then include it in the proposal?

Answer 5: Yes, the very first page of the RFQ is the cover page (and the words "Project Manual" on it), and it is required to be signed, executed, etc. with your bid.

Question 6: Can you please clarify and explain Article 8 Section I (Interpretation)? We need to be clear on what this means exactly.

Answer 6: (1) Releases from indemnities against liability, (2) limitations on liability, (3) assumptions of liability, and (4) limitations on remedies expressed in this AGREEMENT shall apply even in the event of any cause of action (except for willful or reckless disregard of obligations), including but not limited to breach of contract, breach of warranty, fault, tort (including negligence), strict liability, or statutory cause of action of the party released or indemnified, or whose liability is limited or assumed or against whom remedies are limited. Party, as used herein, includes the named parties, their officers, employees, agents, subcontractors, and affiliates.

If you have sent your response, you may send any changes to the Office of Procurement before the time for opening. These must be sealed with the name of your firm and the bid number clearly marked on the envelope.

Sincerely,
Lauren Stabilo
Chief Procurement Officer

Please acknowledge receipt of this addendum by signing below and returning to this office via fax to (413) 787-6295 or email to Lauren Stabilo at lstabilo@springfieldcityhall.com. Failure to acknowledge addendum may result in rejection of bid.

Signed: _____
(Title)

Company: _____
(Please print)

