




TOWN OF GRANBY

MEMORANDUM

DATE: December 31, 2024

TO: The Granby Board of Selectmen 
FROM: Mike Walsh, Town Manager
REGARDING: Parks & Recreation Study – Parks & Recreation Fund Appropriation

As you may recall, at the October 21st Board of Selectmen meeting, after a request from the Park and Recreation Board, the BOS approved adding a \$25,000 ARPA allocation to pay for an analysis of the Salmon Brook and Ahrens Parks with respect to future facility improvements.

The narrative discussed that evening is reproduced below:

1. Park and Recreation Board Parks Study Request

- Recently, noise complaints from abutting property owners related to the playing of pickleball at the tennis courts at Salmon Brook Park were received by the Town and Park and Recreation Board. On September 3rd, approximately 40 people joined in a discussion at the Park and Recreation Board Meeting about solutions to the issue with an overwhelming majority supporting pickleball.
- The Park and Recreation Board, working in partnership with the Town Manager's Office, voted to "engage an outside firm" for the purpose of creating a master plan to prioritize any future investment in the parks. A Request for Proposal has been created and an allocation of \$25,000 will allow us to identify a vendor to create a planning vision for the parks for 2030, 2040, and 2050.

With the RFP issued, the Town received two qualified respondents and has selected GZA GeoEnvironmental, Inc. with a local office in Springfield to proceed with the analysis at a cost of \$39,500.

Anthony McGovern, Chair of the Parks and Recreation Board, Sandy Yost, Director of Community Services, Terri Ziemnicki, Supervisor of Parks and Recreation, and myself participated in the selection panel interviews. A copy of their proposal is attached for your review.

Via this background and request, we respectfully ask for an appropriation of \$14,500 from the Parks and Recreation Special Revenue Fund to marry to the ARPA allocation so the firm's work can begin. The Parks and Recreation Fund has sufficient funds to cover this appropriation, with a balance of \$560,297 as of June 30, 2024.

Pursuant to section 10-6(e) of the Granby Town Charter, I am forwarding the request to you for comment. The Board of Finance will then hear this request for comment as well.

The following motion is needed from the Board of Selectmen:

Motion to approve a \$14,500 appropriation from the Parks and Recreation Special Revenue Fund to provide funding for the GZA GeoEnvironmental, Inc. Recreation Facilities Analysis and forward this request to the Board of Finance to approve.



Known for excellence.
Built on trust.



REVISED Response to:

Granby Parks and Recreation Department Request for Proposal:

Recreation Facilities Analysis Consultant



Submitted to:

Town Manager's Office
15 North Granby Road
Granby, CT 06035

December 19, 2024

(December 2, 2024, original)

GZA GeoEnvironmental, Inc.

1350 Main Street, Suite 1400 | Springfield, MA 01103
413.726.2100
Offices Nationwide
www.gza.com



Known for excellence.
Built on trust.

GEOTECHNICAL
ENVIRONMENTAL
ECOLOGICAL
WATER
CONSTRUCTION
MANAGEMENT

1350 Main Street
Suite 1400
Springfield, MA 01103
T: 413.726.2100
F: 413.732.1249
www.gza.com



December 24, 2024 (December 2, 2024 original)
15.P000184.25

Mike Walsh, Town Manager
Town of Granby
15 North Granby Road
Granby, CT 06035

RE: **Revised** Response to RFP: Recreation Facilities Analysis Consultant
Granby Parks and Recreation Department

Dear Mr. Walsh:

GZA GeoEnvironmental, Inc. ("GZA") is pleased to present to the Town of Granby ("Town") this revised proposal for professional services related to the assessment of recreation facilities within the Town's park system, and to develop short-term recommendations and a long-term vision for park improvements based on this analysis and engagement with the community. Our proposal was prepared in response to the Request for Proposal ("RFP") issued on October 28, 2024 and site walk with you on November 20, 2024, and has been revised in response to the Town's December 18, 2024 request to adjust the project fee. This revised proposal supercedes the previous version dated December 2, 2024.

Granby is fortunate to have a well-used park system with an exceptional range of recreational and athletic facilities. The scope, variety and quality of programming offered by these facilities allows Granby Parks and Recreation to fulfill its stated mission "to promote individual, community, economic and environmental benefits of an active recreation program". Crucial to the success of this objective, GZA understands the importance of conducting a holistic park system analysis, supported by a robust public engagement process, to identify reduncancies, conflicts, and opportunities for improvements throughout the Town's park system. Through a Master Plan comprised of illustrative site plans and a summary memorandum, this project's findings will assist the Town to continue offering its community an outstanding range of recreational facilities into the future. From our interview with you on December 17, 2024, we understand that the project will focus on Salmon Brook Park and Ahrens Park.

GZA is a multi-disciplinary consulting firm that has distinguished itself by focusing on responsiveness, collaboration, and communication with our clients. Our technical practices include landscape architecture, planning, civil engineering, water resources, environmental engineering, ecological and environmental sciences and permitting, geotechnical services, hazardous waste assessment and remediation, and construction-related services. GZA's Springfield office can provide the Town with a wide range of project support and the ability to conceptualize solutions that address the many types of issues that could arise during the project.

In accordance with the Submission Requirements outlined in the RFP, we offer the following in our enclosed proposal:

- Company Profile
- Technical Proposal
- Project Team
- Financial Proposal
- Previous Experience
- Compliance Documents
- Client References

GZA's references will attest to the quality, clarity, completeness, and accuracy of GZA's performance on public, state, and federal-funded projects, and the value of the services we provide. Based on the scope of projects for which GZA is currently under contract, we believe that GZA's staff availability allows for the ability to undertake the contract and meet the project objectives and schedules.



GZA's local presence and geographical proximity to the Town of Granby are additional benefits we bring to the assignment. Our proposed staff for this project are based in our local Springfield office, located a short distance from Granby; but as with every GZA project, you will have access to the collective knowledge and resources of the entire 700+ person company.

SCOPE OF SERVICES

GZA's proposed scope of services and proposed budget and basis of billing are described in the enclosed Proposal for Professional Services.

CONDITIONS OF ENGAGEMENT AND ACCEPTANCE

Conditions of engagement are described in the attached Terms and Conditions for Professional Services (06/24 Edition/05-9010), which together with this Proposal for Professional Services shall constitute the entire agreement between the parties.

Acceptance of this Proposal may be indicated by signing in the appropriate space and returning one copy to us. The executed agreement must be received prior to initiation of the services described above. This proposal is valid for 30 days from the date of issue.

CLOSING

The GZA Project Team appreciates the opportunity to submit this Proposal, which we believe demonstrates that GZA possesses the technical and professional skills required to meet the Town's needs on this exciting project. We look forward to continuing discussing this proposal with the Town; should you have any questions, please contact the undersigned.

Very truly yours,

GZA GEOENVIRONMENTAL, INC.

A handwritten signature in blue ink, appearing to read 'Daniel Shaw'.

Daniel Shaw, P.L.A.
Project Manager
daniel.shaw@gza.com
(413) 726-2129

A handwritten signature in blue ink, appearing to read 'Anja Ryan Duffy'.

Anja Ryan Duffy, P.L.A.
Consultant / Reviewer
anja.duffy@gza.com
(413) 276-2116

A handwritten signature in blue ink, appearing to read 'Nathaniel Russell'.

Nathaniel Russell, P.E.
Principal-in-Charge
Nathaniel.russell@gza.com
(413) 726-2127

Attachments:

- Technical Proposal with Attachments
- Terms and Conditions for Professional Services (06/24 Edition/05-9010)



This Proposal for Services, including the referenced Scope of Services and the attached Terms and Conditions for Professional Services are hereby accepted and executed by a duly authorized signatory, who by execution hereof, warrants that he/she has full authority to act for, in the name, and on behalf of the Town of Granby, Connecticut.

TOWN OF GRANBY

By (Signature): 

Title: Town Manager

Typed Name: Michael P. Walsh

Date: 12/20/24

Billing Address (if different from above):



TERMS AND CONDITIONS FOR PROFESSIONAL SERVICES

© 2024 by GZA GeoEnvironmental, Inc.

These Terms and Conditions, together with GZA's Proposal, make up the Agreement between GZA and You, Client, named above. If the attached GZA Proposal is styled as a Master Services Agreement, then these Terms and Conditions will apply to any and all services ordered by you and performed by GZA.

BEFORE SIGNING THE PROPOSAL, BE SURE YOU READ AND UNDERSTAND THE PARAGRAPHS ENTITLED "INDEMNIFICATION" AND "LIMITATION OF REMEDIES" WHICH DEAL WITH THE ALLOCATION OF RISK BETWEEN YOU AND GZA.

- 1) **Services.** GZA will perform the services set forth in its Proposal and any amendments or change orders authorized by you (the "Services"). Any request or direction from you that would require extra work or additional time for performance or would result in an increase in GZA's costs will be the subject of a negotiated amendment or change order. All Services performed by GZA will be governed by this Agreement, even if performed prior to your execution of the Proposal.
- 2) **Term.** If the attached GZA proposal is styled as a Master Services Agreement, then the term of this Agreement will begin on the date of execution of the proposal (the "Effective Date"), and either party may terminate this Agreement for convenience upon thirty (30) days' written notice, provided that GZA will be paid for all services performed through the date of termination.
- 3) **Standard of Care; Warranties.**
 - a) GZA will perform professional Services with the degree of skill and care ordinarily exercised by qualified professionals performing the same type of services at the same time under similar conditions in the same or similar locality. GZA's sole responsibility with regard to Services which do not meet the foregoing standard of care is to reperform such Services, at GZA's expense, but only if you provide GZA written notice of such non-conformity within ninety (90) days after completion of the Services.
 - b) **NO WARRANTY, EXPRESS OR IMPLIED, INCLUDING WARRANTY OF MARKETABILITY OR FITNESS FOR A PARTICULAR PURPOSE, IS MADE OR INTENDED BY GZA'S PROPOSAL OR BY ANY OF GZA'S REPORTS OR OTHER CONDUCT.**
 - c) GZA assigns to you any manufacturers' warranties of equipment or materials purchased from others, to the extent they are assignable, and your sole recourse will be against the manufacturer. Full risk of loss of materials and equipment will pass to you upon delivery to the Site, and you will be responsible for insuring and otherwise protecting them against theft and damage.
- 4) **Payment.**
 - a) Except as otherwise stated in the Proposal, you will compensate GZA for the Services at the rates set forth in the applicable Proposal, amendment or change order; reimburse its expenses, which will include a communication fee calculated as a percentage of labor invoiced; and pay any sales or similar taxes thereon.
 - b) Any retainer specified in GZA's Proposal shall be due prior to the start of Services and will be applied to the final invoice for Services.
 - c) GZA will submit invoices periodically, and payment will be due within 20 days from invoice date. You will notify GZA in writing of any invoice disputes within 10 days of the invoice date, and if no written notice of dispute is received, the invoice will be deemed approved in full. Overdue payments will bear interest at 1½ percent per month or, if lower, the maximum lawful rate. GZA may terminate the Services upon 10 days' written notice anytime your payment is overdue on this or any other project and you will pay for all Services through termination, plus termination costs. You will reimburse GZA's costs of collecting overdue invoices, including reasonable attorneys' fees (including costs for time expended by in-house counsel, which will be charged to you at the prevailing market rate for attorneys of similar experience practicing in the jurisdiction). Any amounts paid by you to GZA will be applied first to interest and costs incurred by GZA, and then to the principal balance.
- 5) **Your Responsibilities.**
 - a) If the Services involve entry onto a third-party property or otherwise require access to property you do not own or control, you will secure the access agreements, approvals, permits, licenses and consents necessary for performance of the Services, without GZA becoming a party to or otherwise being required to sign any such agreements, approvals, permits, licenses and consents. If you are the owner or operator of the Site, you will provide GZA with all documents, plans, information concerning underground structures (including but not limited to utilities, conduits, pipes, and tanks), information related to hazardous materials or other environmental or geotechnical conditions at the Site (including, if applicable, asbestos containing materials ["ACM"]) and other information that may be pertinent to the Services or, if you are not the owner or operator of the Site, you agree to make reasonable efforts to obtain these same documents and provide them to GZA. GZA is entitled to rely on the accuracy and completeness of documents and information you provide. You acknowledge that the quality of the services provided by GZA is directly related to the accuracy and completeness of the information and data that you furnish to GZA.
 - b) If you use the services of a contractor or construction manager at the Site, you agree to use best and reasonable efforts to include in your agreement(s) with the contractor or construction manager provisions obligating the latter:
 - i) to defend, indemnify and hold harmless, to the fullest extent permitted by law, GZA, its affiliates and subsidiaries, and each of their officers, directors, members, partners, agents, insurers, employees, and subconsultants (the "GZA Indemnitees") and you, for or on account of any claims, liabilities, costs and expenses, including attorneys' fees, arising out of or relating to the design or implementation of construction means, methods, procedures, techniques, and sequences of construction, including safety precautions or programs, of the contractor, the construction manager, or any of their subcontractors or any engineer engaged by them;
 - ii) to name you and GZA as additional insureds under general liability and builder's risk insurance coverages maintained by the contractor or construction manager, or any of their subcontractors, and to ensure that such policies are primary and noncontributory with regard to the above indemnity obligations; and
 - iii) to require that all of their subcontractors agree and be bound to the obligations set forth in (i) and (ii) above.
 - c) In the event that you are unable to secure such provisions in the agreement(s) with the contractor or construction manager, you shall promptly (but in any event prior to the commencement of the Services) notify GZA and GZA shall have the opportunity to negotiate with you reasonable substitute risk allocation and insurance indemnities and protections. Failure to provide such notice will be a material breach of this Agreement.
 - d) To the extent you are entitled to indemnification (either contractual or at common law) or are otherwise indemnified by the contractor or construction manager and/or their subcontractors, you agree to waive any claim (including without limitation indemnification or insurance claims) against GZA.
- 6) **Right of Entry; Site Restoration.** You grant GZA and its subcontractor(s) permission to enter the Site to perform the Services. If you do not own the Site, you represent and warrant that the owner has granted permission for GZA to enter the Site and perform the Services; you will provide reasonable verification on request; and you will indemnify the GZA Indemnitees for any claims by the Site owner related to alleged trespass by GZA or its subcontractors. Although GZA



- will exercise reasonable care to limit damage to landscaping, paving, systems and structures at the Site, you acknowledge that some damage may occur even with the exercise of due care and you agree to compensate GZA for any restoration it is asked to perform, unless otherwise indicated in the Proposal.
- 7) **Underground Facilities.** GZA's only responsibility under this Agreement will be to provide proper notification to the applicable state utility "Call-Before-You-Dig" program. You further agree to assume responsibility for and to defend, indemnify and hold harmless GZA with respect to personal injury and property damages due to GZA's interference with subterranean structures including but not limited to utilities, conduits, pipes, and tanks:
- that are not correctly shown on any plans and information you or governmental authorities provide to GZA; or
 - that are not correctly marked by the appropriate utility.
- 8) **Reliance.** The services, information, and other data furnished by you shall be at your expense, and GZA may rely upon all information and data that you furnish, including the accuracy and completeness thereof. You acknowledge that the quality of the Services provided by GZA is directly related to the accuracy and completeness of the information and data that you furnish to GZA. **GZA's REPORTS ARE PREPARED FOR AND MADE AVAILABLE FOR YOUR SOLE USE. YOU ACKNOWLEDGE AND AGREE THAT USE OF OR RELIANCE UPON THE REPORT OR THE FINDINGS IN THE REPORT BY ANY OTHER PARTY, OR FOR ANY OTHER PROJECT OR PURPOSE, SHALL BE AT YOUR OR SUCH OTHER PARTY'S SOLE RISK AND WITHOUT ANY LIABILITY TO GZA. YOU SHALL DEFEND, INDEMNIFY AND HOLD HARMLESS THE GZA INDEMNITEES FROM ALL CLAIMS, DAMAGES, LOSSES, AND EXPENSES, INCLUDING ATTORNEYS' FEES, ARISING OUT OF OR RESULTING FROM ANY USE, REUSE, OR MODIFICATION OF THE DOCUMENTS WITHOUT WRITTEN VERIFICATION, COMPLETION, OR ADAPTATION BY GZA AND SUCH LIMITED LICENSE TO YOU SHALL NOT CREATE ANY RIGHTS IN THIRD PARTIES.** However, in GZA's sole discretion, which may be withheld for any reason whatsoever, if you request that GZA extend reliance to a third party, then such reliance will be conditioned upon the third party's acceptance of such reliance on GZA's standard reliance terms and you will be obligated to pay GZA a reliance fee calculated as 10% of GZA's original fee for the report upon which reliance is being extended.
- 9) **Lab Tests and Samples.** GZA is entitled to rely on the results of laboratory tests using generally accepted methodologies. GZA may dispose of samples in accordance with applicable laws 30 days after submitting test results to you unless you request in writing for them to be returned to you or to be held longer, in which case you will compensate GZA for storage and/or shipping beyond 30 days.
- 10) **GZA Professionals.** GZA employees or consultants may act as licensed, certified or registered professionals (including but not limited to Professional Engineers, Licensed Site or Environmental Professionals, Certified Hazardous Materials Managers, or Certified Industrial Hygienists, collectively referred to in this section as "GZA Professionals"), whose duties may include the rendering of independent professional opinions. You acknowledge that a federal, state or local agency or other third party may audit the Services of GZA or other contractor/consultant(s), which audit may require additional Services, even though GZA and such GZA Professionals have each performed such Services in accordance with the standard of care set forth herein. You agree to compensate GZA for all Services performed in response to such an audit, or to meet additional requirements resulting from such an audit, at the rates set forth in the applicable Proposal, amendment or change order.
- 11) **Hazardous Materials; GZA "Not a Generator".** Before any hazardous or contaminated materials, including, if applicable, ACMs (the "Wastes") are removed from the Site, you will sign manifests naming you as the generator of the Wastes (or, if you are not the generator, you will arrange for the generator to sign). You will select the treatment or disposal facility to which any Wastes are taken. GZA will not be the generator or owner of, nor will it possess, take title to, or assume legal liability for any Wastes at or removed from the Site. GZA will not have responsibility for or control of the Site or of operations or activities at the Site other than its own. GZA will not undertake, arrange for or control the handling, treatment, storage, removal, shipment, transportation or disposal of any Wastes at or removed from the Site, other than any laboratory samples it collects or tests. You agree to defend, indemnify and hold the GZA Indemnitees harmless for any costs or liability incurred by GZA in defense of or in payment for any legal actions in which it is alleged that GZA is the owner, generator, treater, storer or disposer of any Wastes.
- 12) **Limits on GZA's Responsibility.** GZA will not be responsible for the acts or omissions of contractors or others at the Site, except for its own subcontractors and employees. GZA will not supervise, direct or assume control over or the authority to stop any contractor's work, nor shall GZA's professional activities nor the presence of GZA or its employees and subcontractors be construed to imply that GZA has authority over or responsibility for the means, methods, techniques, sequences or procedures of construction, for work site health or safety precautions or programs, or for any failure of contractors to comply with contracts, plans, specifications or laws. Any opinions by GZA of probable costs of labor, materials, equipment or services to be furnished by others are strictly estimates and are not a guarantee that actual costs will be consistent with the estimates.
- 13) **Changed Conditions.**
- You recognize the uncertainties related to the Services (including, without limitation, environmental and geotechnical Services), which often require a phased or exploratory approach, with the need for additional Services becoming apparent during the Services. You also recognize that actual conditions encountered may vary significantly from those anticipated, that laws and regulations are subject to change, and that the requirements of regulatory authorities are often unpredictable.
 - If changed or unanticipated conditions or delays make additional Services necessary or result in additional costs or time for performance, GZA will notify you and the parties will negotiate appropriate changes to the scope of Services, compensation and schedule.
 - If no agreement can be reached, GZA will be entitled to terminate the Services and to be equitably compensated for the Services already performed. GZA will not be responsible for delays or failures to perform due to weather, labor disputes, intervention by or inability to get approvals from public authorities, acts or omissions on your part, or any other causes beyond GZA's reasonable control, and you will compensate GZA for any resulting increase in its costs.
- 14) **Documents and Information.** All documents, data, calculations and work papers prepared or furnished by GZA are instruments of service and will remain GZA's property. Designs, reports, data and other work product delivered to you are for your use only, for the limited purposes disclosed to GZA. Any delayed use, use at another site, use on another project, or use by a third party will be at the user's sole risk, and without any liability to GZA. Any technology, methodology or technical information learned or developed by GZA will remain its property. Provided GZA is not in default under this Agreement, GZA's designs will not be used to complete this project by others, except by written agreement relating to use, liability and compensation.
- 15) **Electronic Media.** In accepting and utilizing any drawings, reports and data on any form of electronic media generated by GZA, you covenant and agree that all such electronic files are instruments of service of GZA, who shall be deemed the author and shall retain all common law, statutory law and other rights, including copyrights. In the event of a conflict between the signed documents prepared by GZA and electronic files, the signed documents shall govern. You agree not to reuse these electronic files, in whole or in part, for any purpose or project other than the project that is the subject of this Agreement. Any transfer

of these electronic files to others or reuse or modifications to such files by you without the prior written consent of GZA will be at the user's sole risk and without any liability to GZA.

- 16) **Confidentiality; Subpoenas.** Information about this Agreement and GZA's Services and information you provide to GZA regarding your business and the Site, other than information available to the public and information acquired from third parties, will be maintained in confidence and will not be disclosed to others without your consent, except as GZA reasonably believes is necessary: (a) to perform the Services; (b) to comply with professional standards to protect public health, safety and the environment; and (c) to comply with laws, regulations, court orders and professional obligations. GZA will make reasonable efforts to give you prior notice of any disclosure under (b) or (c) above. Information available to the public and information acquired from third parties will not be considered confidential. You will reimburse GZA for responding to any subpoena or governmental inquiry or audit related to the Services, at the rates set forth in the applicable Proposal, amendment or change order (including, without limitation, for outside counsel expenses incurred by GZA and/or time expended by in-house counsel, which will be charged to you at the prevailing market rate for attorneys of similar experience practicing in the jurisdiction). Notwithstanding the foregoing, GZA shall be entitled to use your name and a general description of the Services in promotional materials.
- 17) **Insurance.** During performance of the Services, GZA will maintain workers' compensation, commercial general liability, automobile liability, and professional liability/contractor's pollution liability insurance. GZA will furnish you certificates of such insurance on request.
- 18) **Indemnification.** You agree to hold harmless, indemnify, and defend the GZA Indemnitees against all claims, suits, fines and penalties, including mandated cleanup costs and attorneys' fees and other costs of settlement and defense, which claims, suits, fines, penalties or costs arise out of or are related to this Agreement or the Services, except to the extent they are caused by GZA's negligence or willful misconduct. The duty to defend will be triggered upon a claim, suit, fine and/or penalty being alleged or threatened, and will only terminate when and to the extent GZA's proportion of negligence is finally adjudicated by a court of competent jurisdiction. If the foregoing indemnification is determined to be void or unenforceable as a matter of law, then it shall be automatically reformed to apply the original intent of the clause to the maximum extent permissible by law.
- 19) **Limitation of Remedies.**
 - a) To the fullest extent permitted by law and notwithstanding anything else in this Agreement to the contrary, the aggregate liability of GZA and its affiliates, parents and subsidiaries and subcontractors and each of their employees, insurers, principals, officers, directors, partners and agents (collectively referred to in this paragraph as "GZA") for all claims arising out of this Agreement or the Services is limited to \$50,000 or, if greater, 10% of the compensation received by GZA under this Agreement.
 - b) You may elect to increase the limit of liability by paying an additional fee, such fee to be negotiated prior to the execution of this Agreement.
 - c) Any claim against GZA related in any way to the services provided pursuant to this Proposal, or the terms herein, is waived unless suit is commenced in a proper jurisdiction within one year of substantial completion of GZA's services. This waiver may not be construed to extend any applicable statute of limitations.
 - d) GZA will not be liable for lost profits, loss of use of property, delays, contractual penalties or other special, indirect, incidental, consequential, punitive, exemplary, liquidated, or multiple damages. This includes but is not limited to fines and/or penalties and/or sanctions imposed by any local, state, or federal government, agency, or regulatory body.
 - e) GZA will not be liable to you or the Site owner for injuries or deaths suffered by GZA's or its subcontractors' employees.
 - f) You will look solely to GZA for your remedy for any claim arising out of or relating to this Agreement, including any claim arising out of or relating to alleged negligence or errors or omissions of any GZA principal, officer, employee or agent. To the extent damages are covered by property insurance or any other insurance, both you and GZA waive all rights against each other and against the contractors, consultants, agents, and employees of the other, for damages, except such rights as they may have to the proceeds of such insurance as set forth in this Agreement. You or GZA, as appropriate, shall require of the contractors, consultants, agents, and employees of any of them, similar waivers in favor of the other parties enumerated herein.
- 20) **Disputes.**
 - a) All disputes between you and GZA shall be subject to non-binding mediation.
 - b) Either party may demand mediation by serving a written notice stating the essential nature of the dispute, the amount of time or money claimed, and requiring that the matter be mediated within forty-five (45) days of service of notice.
 - c) The mediation shall be administered by the American Arbitration Association in accordance with its most recent Construction Mediation Rules, or by such other person or organization as the parties may agree upon.
 - d) No action or suit may be commenced unless mediation has occurred but did not resolve the dispute, or unless a statute of limitations period or the one year waiver period described in 18(c) above would expire if suit were not filed prior to such forty-five (45) days after service of notice. However, where non-payment of an invoice has occurred and GZA sends you a final demand letter for payment, your failure to respond within ten (10) days of receipt (or, for certified mail, the date of the first attempt to deliver the letter to your address of record if you ultimately do not accept receipt of the letter) of such letter will be deemed to be a waiver of your right to enforce this mediation clause and GZA may immediately file suit to enforce the terms of this Agreement.
 - e) You agree to pay reasonable attorneys' fees and all other costs and expenses (including, but not limited to reasonable investigative expenses and expert and consultant expenses) which may be incurred by GZA in the enforcement of this Agreement in the event that (a) it is finally adjudicated by a court of competent jurisdiction that you have breached this Agreement; or (b) where you allege that GZA has breached this Agreement or otherwise acted negligently and it is finally adjudicated by a court of competent jurisdiction that GZA did not in fact breach this Agreement or act negligently. If for any reason it is adjudicated that the foregoing provision is in violation of applicable law, is subject to a state statute automatically converting this clause to be reciprocal between the parties, is contrary to public policy or is unconscionable or a contract of adhesion, then the foregoing clause will be null and void and of no effect. Under no circumstances shall the foregoing clause be replaced with a reciprocal clause.
 - f) You shall make no claim against GZA for professional negligent acts, errors, omissions and/or alleged breach of contract either directly, indirectly, as a counterclaim or crossclaim, or in a third party claim, unless you have first provided GZA with a written certification executed by an independent professional practicing in the same discipline as GZA and licensed in the jurisdiction in which GZA provided you its Services. This certification must (i) identify the name and license of the certifier, (ii) specify each and every act or omission that the certifier contends is a violation of the standard of care expected of professional



performing professional services under similar circumstances; and (iii) state in complete detail the basis for certifier's opinion that each such act or omission constitutes a violation of the standard of care. This certificate must be provided to GZA no less than thirty (30) days prior to the submission of a formal claim.

21) **Miscellaneous.**

- a) This Agreement and all claims relating thereto shall be governed by the substantive and procedural laws of the Commonwealth of Massachusetts, as they presently exist or may hereafter be amended, without regard to principles of conflict of laws.
- b) The above terms and conditions regarding Limitation of Remedies and Indemnification shall survive the completion of the Services under this Agreement and the termination of the contract for any reason.
- c) Any amendment to these Terms and Conditions must be in writing and signed by both parties. No modification of these Terms and Conditions will be binding against GZA unless specifically approved in writing by a principal of GZA.
- d) Having received these Terms and Conditions, your oral authorization to commence Services, your acceptance of performance of the Services, your actions, or your use of the Report or Work Product constitutes your acceptance of them.
- e) This Agreement supersedes any contract terms, purchase orders or other documents issued by you, even if signed by an authorized representative of GZA.
- f) Neither party may assign or transfer this Agreement or any rights or duties hereunder without the written consent of the other party.
- g) Your failure or the failure of your successors or assigns to receive payment, reimbursement, insurance proceeds or grant funds from any other party for any reason whatsoever shall not absolve you, your successors or assigns of any obligation to pay any sum to GZA under this agreement.
- h) These Terms and Conditions shall govern over any inconsistent terms in GZA's Proposal.
- i) Any provision of this Agreement later held to be unenforceable for any reason shall be deemed void, and all remaining provisions shall continue in full force and effect on the parties, who agree that the Agreement shall be reformed to replace such voided provision with a valid and enforceable provision that comes as close as possible to expressing the intention of the voided provision.
- j) The covenants and agreements contained in this Agreement shall apply to, inure to the benefit of and be binding upon the parties hereto and upon their respective successors and assigns.
- k) Any reports generated by GZA will be subject to GZA's standard report limitations for that particular type of report.
- l) To the extent applicable to GZA's Services, you acknowledge and agree that GZA cannot anticipate the effects of climate change/extreme weather on any report, design or other document produced by GZA, unless such analysis is specifically within the scope of GZA's Services.
- m) You agree that during the performance of GZA's Services and for a period of twelve (12) months completion of those Services, you will not encourage, induce, or otherwise solicit, or actively assist any other person or organization to encourage, induce or otherwise solicit, directly or indirectly, any employee of the GZA or any of its affiliates to terminate their employment with GZA or any of its affiliates, or otherwise interfere with the advantageous business relationship of GZA or any of its affiliates with their employees. You agree that if you violate this non-solicitation provision, you will pay GZA liquidated damages in an amount equal to the total earnings of the solicited employee during the last twelve (12) months of their employment with GZA.
- n) This Agreement does not create any third-party beneficiaries and is intended for the benefit of the parties hereto and their respective successors and permitted assigns, and is not for the benefit of, nor may any provision hereof be enforced by, anyone else.

22) **Asbestos Abatement Services (If Applicable).** If the Services include asbestos abatement services, then the following terms and conditions will apply and will supersede any conflicting terms contained elsewhere in this Agreement.

- a) You acknowledge that conditions can vary from those encountered at the times and locations of explorations and data collection, and that the limitation on available data may result in some level of uncertainty with respect to the interpretation of those conditions, despite due professional care. GZA therefore cannot guarantee specific results such as the identification or removal of all asbestos or other contamination.

23) **Microbial Services (If Applicable).** If the Services include Microbial services, then the following terms and conditions will apply and will supersede any conflicting terms contained elsewhere in this Agreement. For purposes of this Agreement, Microbial is defined as any and all fungal and/or bacterial growth including but not limited to mold, mildew, yeast, fungus, fungi, bacteria, spores, odors, particulates, vapors, gas, or other emissions produced by or arising out of or toxins emanating therefrom.

- a) You recognize that meeting the standard of care does not establish an assurance that corrective procedures will be permanent. Because Microbial infestations are created by near-omnipresent living microscopic spores which grow very quickly and are influenced by nanoclimatological conditions that are very difficult to detect and sources of water intrusion, elevated moisture or relative humidity over which GZA has neither control or responsibility, GZA cannot and does not claim that its Services will eliminate the risk of a Microbial infestation recurring.
- b) You acknowledge that the Services entail risk of personal injury and property damage (including cross-contamination) that cannot be avoided, even with the exercise of due care. You also acknowledge that environmental conditions can vary from those encountered at the times and locations of explorations and data collection, and that the limitation on available data may result in some level of uncertainty with respect to the interpretation of these conditions, despite due care. GZA therefore cannot guarantee specific results such as the identification of all contamination or other environmental conditions or problems nor their resolution.
- c) You acknowledge that Microbial infestations may be hidden from view and concealed in locations that are difficult to discover. Accordingly, you agree that despite GZA's efforts, some Microbial locations may remain undetected. In such situations, you agree that you will have no claim against GZA provided GZA followed the applicable standard of care and all applicable laws and regulations pertaining to the Work.
- d) You further agree that when GZA performs Services intended to minimize the risk of Microbial infestations, GZA shall not be liable for damages resulting from Microbial contamination including but not limited to fungal or bacterial infestations and water damage or dry or wet rot. You agree to waive any Microbial infestation claim(s) against GZA and you agree to indemnify, defend and hold the GZA Indemnitees harmless from any claim alleging that GZA's Services caused or aggravated a Microbial infestation or did not prevent a Microbial infestation from recurring.



TABLE OF CONTENTS

SECTION 1 | GZA COMPANY PROFILE

- ABOUT GZA
- PLANNING AND LANDSCAPE ARCHITECTURE SERVICES

SECTION 2 | TECHNICAL PROPOSAL

- PROJECT UNDERSTANDING
- PROJECT APPROACH AND METHODOLOGY
- DETAILED SCOPE OF SERVICES
- ANTICIPATED PROJECT SCHEDULE

SECTION 3 | PROJECT TEAM

- DESIGN TEAM

SECTION 4 | FINANCIAL PROPOSAL

- BUDGET AND BASIS OF BILLING
- ADDITIONAL SERVICES

SECTION 5 | PREVIOUS EXPERIENCE

- EXPERIENCE
- PROJECT DESCRIPTIONS

SECTION 6 | REFERENCES

- REFERENCES

SECTION 7 | COMPLIANCE DOCUMENTS AND RESUMES

- TAX CERTIFICATION AFFIDAVIT FOR CONTRACTS
- RESUMES

SECTION 1 | GZA COMPANY PROFILE

ABOUT GZA

Don Goldberg and Bill Zoino founded GZA in 1964 on the values of integrity, professionalism, and loyalty. Since then, the company has grown from a small consulting partnership to a major multi-disciplinary, employee-owned firm that focuses on environmental, geotechnical, ecological, water, and construction management services. With a staff of more than 700 people in over 30 offices in the New England, Mid-Atlantic, Great Lakes and South-west regions of the United States, we have completed over 100,000 projects for a wide array of public and private clients for the past 60 years and counting.

Because there is a free flow of information and support amongst our employees and offices, we can provide every client with access to our extensive knowledge and experience base regardless of project location. Quite simply, the collective knowledge of the entire company is available to each client on every project for an experience that is uniquely GZA.

We believe our clients trust our people because of their honesty and commitment to excellence. Clients know - expect - that we will deliver expert solutions that help them succeed regardless of the size or complexity of their challenges. And they know that GZA helps reduce their project risks and strives to deliver the best possible results and value through comprehensive analysis of each project's entire lifecycle. It is why we are **known for excellence, built on trust.**

PLANNING AND LANDSCAPE ARCHITECTURE SERVICES

LANDSCAPE ARCHITECTURE - GZA's landscape architects specialize in creating vibrant outdoor spaces where people can connect with nature and community. We design places for kids to play, for neighbors to gather, and for people to relax and recreate. By integrating these opportunities into the built environment, we strive to enhance the health and well-being of individuals, communities, and ecosystems.

GZA's landscape architects collaborate throughout the design process with ecologists, engineers, scientists, and permitting specialists, allowing us to provide achievable design solutions on complex sites. By working as an interdisciplinary team, we can simultaneously see the big picture and provide the specific details for implementation. Relationships are central to landscape architecture at GZA. We develop trusting, lasting relationships with our clients through good communication and attention to clients' needs. We work carefully to ensure our clients' goals are met, while addressing the needs of the community who will use the space and the ecosystem at each site.

Our work includes public parks, sports facilities, ecological restoration sites, outdoor learning environments, playgrounds, green infrastructure, trails and boardwalks. We collaborate with architects on site plans for schools and multifamily housing developments; with engineers on projects combining infrastructure with ecological restoration and public access; and with communities in developing visions for healthier neighborhoods. We regularly provide master plans, site designs, illustrative and 3D renderings, public engagement, construction documents, and construction phase services.

SECTION 2 | TECHNICAL PROPOSAL

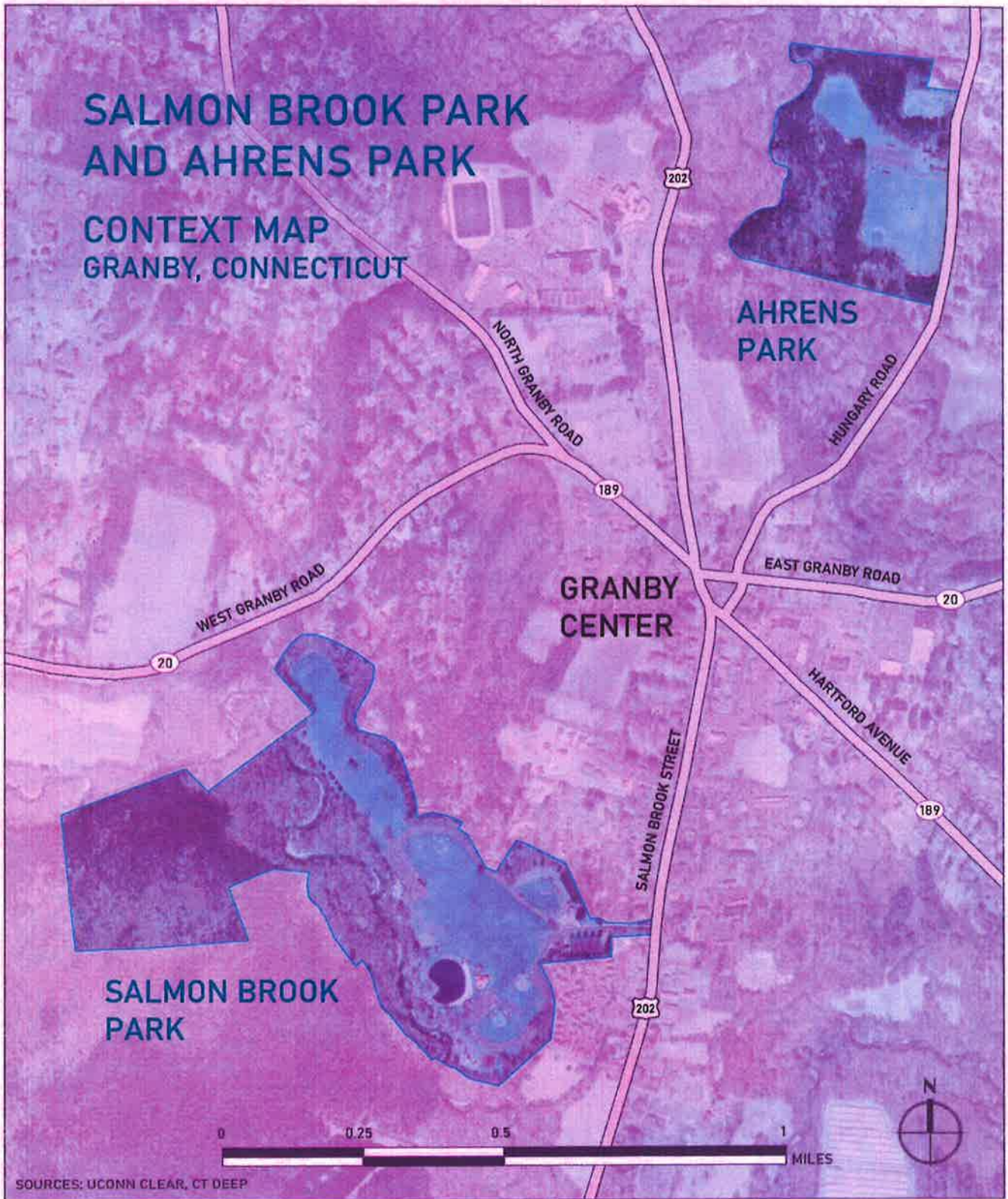
PROJECT UNDERSTANDING

GZA understands the Town of Granby ("Town") is seeking a consultant to provide professional services for an assessment of Salmon Brook Park and Ahrens Park ("Project Sites", "Sites"), which were identified by the Town as the priority sites within the Town's park system. The project will include a holistic analysis of the two Sites, supplemented by public engagement workshops and an online survey, and will culminate in preparation of Illustrative Site Plans for Salmon Brook Park and Ahrens Park accompanied by a Summary Memorandum of findings and recommendations (collectively referred to as the "Master Plan"). The Summary Memorandum will contain clearly-communicated recommendations for prioritization of proposed improvements based on the consultant's analysis, interviews with stakeholders, and input from the community.



The 116-acre Salmon Brook park is the center of the Town's park system and offers a wide range of recreational facilities (photo by GZA).

Granby Connecticut is fortunate to have a well-used, generously-sized park near the center of Town: Salmon Brook Park. This 116-acre park offers a wide variety of recreational facilities, including baseball, lacrosse, and soccer fields; basketball, volleyball, tennis, and pickleball courts; hiking trails and walking paths; swimming pond; dog park; two playgrounds; children's garden; picnic areas and pavilions; facilities for events including the Park House and band shell; and other facilities. The park is very well-used and is an invaluable resource for the people of Granby.



Salmon Brook Park's landscape allows visitors access to numerous sports fields and recreational facilities as well as hiking in nature, in a location close to Granby center. Nearby Ahrens Park is relatively un-programmed (image by GZA).

Naturally, a park of this size is routinely in need of maintenance and upgrades, and determining priorities for park improvement projects can be challenging when there are so many amenities, programs, and facilities to coordinate. Each user group has its own needs and priorities which have to be considered. Nearby, the 45-acre Ahrens Park offers additional open space including playing fields, is relatively un-programmed, and could potentially accommodate new recreational facilities. Improvements to park facilities should be implemented within the context of a holistic plan, to ensure a well-coordinated park system that can serve the needs of the whole community and make effective use of resources.

From our conversations with the Town and from reviewing the RFP, GZA understands that goals of the project include:

- Identifying park improvement projects and assigning them levels of priority, including both new facilities and replacement of aging facilities.
- Identifying potential redundancies in park offerings.
- Achieving ADA accessibility throughout the parks.
- Addressing conflicting uses and potential relocation of certain elements (pickleball court noise, for example).
- Identifying park capacity limitations during peak use times, and solutions which may include relocating specific recreational facilities within the park system.
- Identifying a location for tree plantings and a contemplative garden within the park system.
- Identifying any required upgrades to park infrastructure, including utilities, parking, drives, drainage, irrigation, etc.
- Identifying approximate timeframe, potential cost, and likely permitting requirements of proposed projects.

If selected, GZA will collaborate with the Town to develop a Master Plan for Salmon Brook Park and Ahrens Park, that is based on in-depth site analysis, interviews with Town staff and park user groups, and input from the community. We understand the sensitivity surrounding proposed changes to a well-loved park. In our experience, including the community early in the site analysis and project planning stages goes a long way in building shared understanding and moving closer towards consensus. A primary goal of the Master Plan is to identify clearly-defined park improvement projects, supported by public input, that fit within a holistic vision for the Town's parks over the coming decades.

PROJECT APPROACH & METHODOLOGY

Based on a review of available information, site visits, discussion with the Town Manager, and input from the Town during our December 17, 2024 interview, we understand that the project's goal is to develop a vision for Salmon Brook Park and Ahrens Park that consists of phased, implementable park improvement projects. Proposed interventions should be clearly-defined and be based on an analysis of the existing sites and input from a wide range of stakeholders and park users.

GZA will endeavor to provide the Town with a well-devised multi-phase master plan that is supported by in-depth site analysis and a robust community engagement process. We will combine research, field investigation, stakeholder interviews, and public engagement to form a deep understanding of the park system's facilities, its uses, its current needs, and anticipated future needs. Through close collaboration within GZA's interdisciplinary project staff, we will explore a range of potential design solutions to arrive at a set of creative and achievable interventions to address the project goals. Primary tasks will include:

Task 1 – Site Analysis - Through site visits and background research, conduct a review of existing park features, including active and passive recreational facilities, infrastructure, wetlands, vegetation, topography, and other aspects of the two parks' physical environments. Review park history, including park origins as well as recent improvements and planning initiatives. Conduct interviews with Town departments/staff, and representatives from park user groups (sports leagues, etc.) to develop a baseline understanding of current park usage and operations. Prepare an inventory of existing park facilities, and user groups (sports organizations/users, etc.), and general times of use. Prepare GIS maps communicating key findings of Site Analysis.

Task 2 – Community Engagement – GZA proposes to build an online survey to gather input from the community. GZA will work in collaboration with the Town to develop around 15 closed-ended questions intended to obtain specific input on priorities. GZA will host the survey online and collaborate with the Town to distribute it to user groups and throughout the community. An in-person public meeting will be held in Granby to share the Town's goals for the project, review GZA's analysis of the Project Sites, and promote the online survey. At a later public meeting, we will share the results of the online survey and present preliminary master plan concepts. GZA will facilitate the discussion and take notes at the public meetings. We assume the Town will provide meeting space and coordinate local advertisement of the meeting dates.

Task 3 – Master Plan - Based on findings from the Tasks 1 and 2, above, GZA will prepare a pair of Illustrative Site Plans for proposed improvements to Salmon Brook Park and Ahrens Park, that reflect the needs of the community as identified during the project. The plans will be accompanied by a concise Summary Memorandum. GZA will share draft plans and memorandum for client review, followed by the final versions incorporating revisions based on comments received. The final Master Plan (Site Plans and Memorandum) will provide clearly-defined park improvements projects with an assigned level of priority, anticipated range of construction cost, and approximate timeframe and potential phasing for each project.

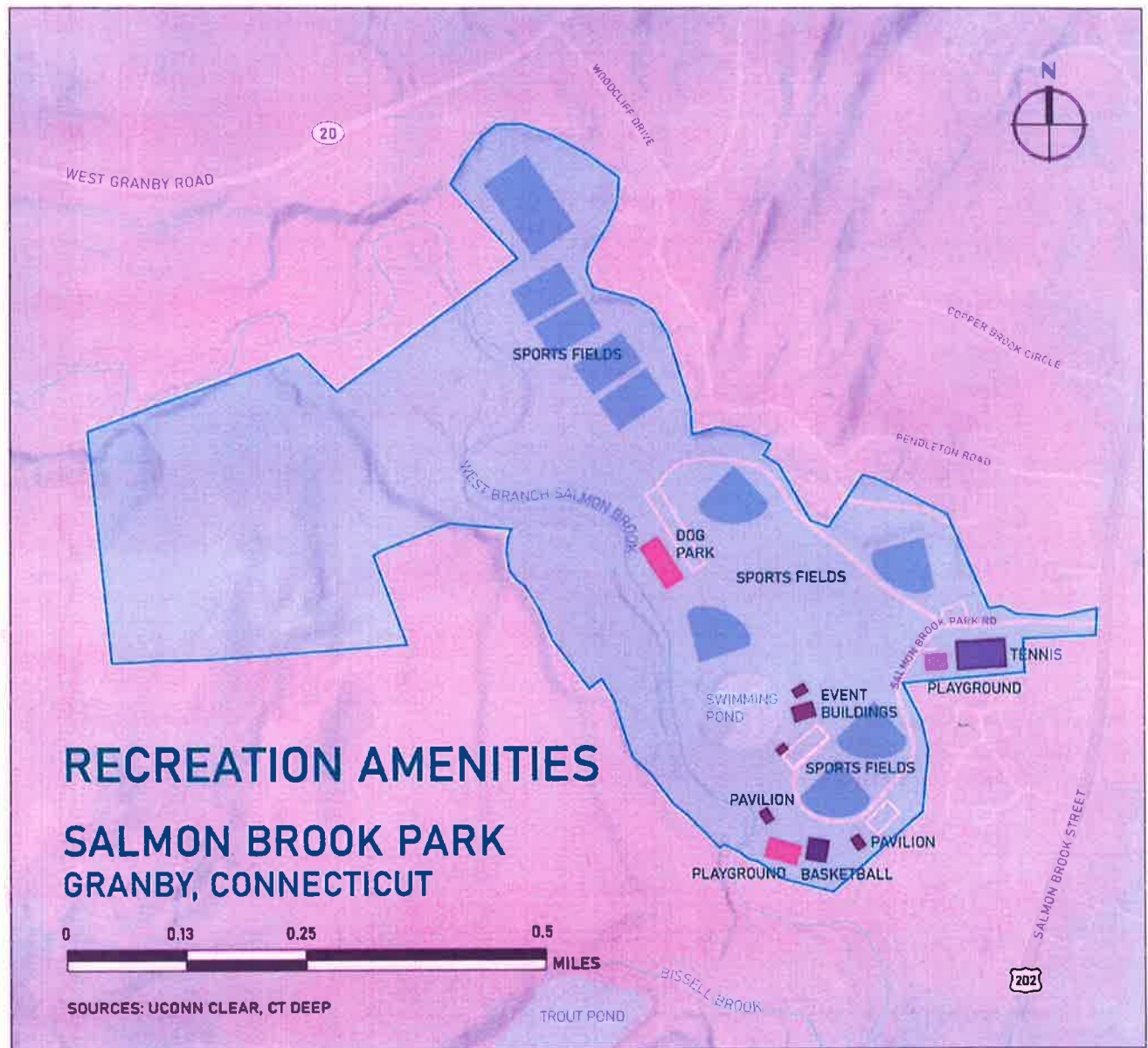
DETAILED SCOPE OF SERVICES

TASK 1 – SITE ANALYSIS

1.1 - Project Kick-Off

GZA will meet with Town personnel at an in-person "Kick-Off" meeting to define project goals, locations of project sites, schedule, and coordination of public meetings and stakeholder interviews.

Meetings: One (1) on-site meeting



GZA will develop GIS maps like the one pictured above, which will be updated and refined during our site analysis process (image by GZA).

1.2 - Site Review

GZA will review and compile existing information on existing conditions, including, as may be available, survey information, record drawings from previous projects, LIDAR contours, and available GIS data, and prepare a preliminary Existing Conditions Plan based on the compiled information. The Existing Conditions Plan will include information from observations made during GZA's site visit. The Existing Conditions Plan will be used as a base for preparing the Master Plan.

We will visit Salmon Brook Park and Ahrens Park. Through site observations, photographs, and mapping, GZA will observe the existing usage and circulation patterns, views, vegetation, slopes, condition of existing site features (including structures, athletic fields and courts, playgrounds, buildings, fencing, lighting), utilities, drainage, noise, climate (sun and wind exposure), and ADA-accessibility.

1.3 – Stakeholder Interviews

To gain an understanding of programming and operations at Salmon Brook Park and Ahrens Park, GZA proposes to conduct interviews with Town departments, Parks staff, local sports leagues, and organizations who regularly use park facilities in Granby. We will develop an inventory of existing recreational facilities at the Project Sites, and gather information on times of use for each facility by each group to identify potential conflicts and peak visitor times. We have budgeted up to eight (8) project manager hours for stakeholder interviews, to be conducted either in-person or virtually.

TASK 2 – COMMUNITY ENGAGEMENT

2.1 – Online Survey

GZA proposes to build an online survey to gather community input to support the development of the Master Plan. GZA will work in collaboration with the Town to prepare up to fifteen closed-ended survey questions intended to obtain specific input on priorities for use in the online survey. Upon finalization of the survey questions GZA will use Microsoft Forms (or a similar tool if provided by the Town) to facilitate the survey. We propose to beta test the survey with the project team, including selected Town staff, to confirm the online survey is operational and ready for completion by a broader audience. The online survey can be posted ahead of the first in-person public meeting, or at the same time to reach a broader audience that may not be able to attend a meeting. Our experience has shown that social media postings with links to the surveys draw the most response. Posting notifications on the Town web site, Town's social media sites and in the local newspaper can also help to broaden the target audience.

Once survey results are received and reviewed, GZA will create visualizations of responses to identify trends. Survey data will be shared with the Town and will help inform recommendations made in the Master Plan.

Meetings: One (1) virtual client meeting to review draft survey questions

Deliverables: Online survey containing up to fifteen closed-ended survey questions

2.2 – Public Meeting #1

An in-person public meeting will be held in Granby to share the Town's goals for the project, the project background and existing conditions, and to gather input on priorities for improvements to Granby's parks. The meeting will be organized and advertised by the Town, and staffed by 2 members of the project team in addition to Town of Granby staff. GZA will prepare and present a PowerPoint presentation for the workshop, facilitate a group discussion, and take meeting notes.

Meetings: One (1) virtual client meeting to plan public meeting, one (1) in-person public meeting

Deliverables: Slideshow presentation for public meeting

2.3 – Public Meeting #2

Upon completion of the draft Master Plan (described below under Task 3), an in-person public meeting will be held in Granby to share and gather input on the GZA's draft recommendations. The meeting will be organized and advertised by the Town, and staffed by 1 member of the project team in addition to Town staff. GZA will prepare and present a PowerPoint presentation for the meeting, facilitate a group discussion, and take meeting notes.

Meetings: One (1) virtual client meeting to plan public meeting, one (1) in-person public meeting

Deliverables: Slideshow presentation for public meeting

TASK 3 – MASTER PLAN

3.1 – Draft Master Plan

GZA will prepare draft Illustrative Site Plans of Proposed Conditions for both Salmon Brook Park and Ahrens Park ("Illustrative Plans"), accompanied by a Summary Memorandum; collectively referred to as the "Master Plan". The Summary Memorandum narrative will provide a brief summary of GZA's site analysis findings, public engagement process and feedback received, and proposed interventions. The Illustrative Plans will include 24" x 36" formatted color-rendered plans of proposed conditions for both Salmon Brook Park and Ahrens Park, and will identify locations and potential phasing of proposed improvements. Recommendations will include levels of priority (based on Town and community input) and estimated timeframe for each proposed element. High-level estimates of potential project costs will be provided for general planning purposes. Steps for implementation, including additional design, permitting, survey, etc, will be listed. The Summary Memorandum will be in an 8.5" x 11" memorandum format, viewable as a PDF or as a print copy. GZA's deliverable will be a digital (PDF) version of the Illustrative Plans and Memorandum.



Ahrens Park may have potential to accommodate additional facilities and uses (image by GZA).

A draft Master Plan will be shared with the Town prior to the second public meeting, for the Town to review and provide feedback. Upon incorporating the Town's feedback into the draft Master Plan, GZA will share a summary of the draft Master Plan at the second Public Meeting, to gather additional input and feedback from stakeholders and the public.

Meetings: One (1) virtual client meeting to review draft Master Plan

Deliverables: Draft Master Plan

3.2 – Final Master Plan

GZA and the Town will meet (virtually) following the second public meeting, to debrief on public input and discuss final edits to the Master Plan. Following this meeting, GZA will finalize the Master Plan and submit the final Master Plan to the Town.

Meetings: One (1) virtual client meeting to debrief on second public meeting, one (1) virtual client meeting to review final Master Plan

Deliverables: Final Master Plan

ANTICIPATED PROJECT SCHEDULE

GZA is prepared to commence the requested services following authorization to proceed by the Town. We will coordinate with Town personnel to perform the services in a timely, responsive manner. We will maintain regular communication with Town contacts so that issues and concerns are addressed on a timely basis.

GZA will perform our services to provide suitable delivery of the anticipated schedule listed below. We note that the actual schedule for the performance of GZA's services may vary from that indicated below based on the timeliness of the review of deliverables by the Town, scheduling of meetings, weather, and other factors outside of our control.

For the Granby Recreation Facilities Analysis Consultant project, GZA offers the following tentative schedule:

<u>Task</u>	<u>Date Complete</u>
Kick-Off	January, 2025
Site Analysis	Jan-Feb, 2025
Stakeholder Interviews	Jan-Feb, 2025
Online Survey	Feb-March, 2025
Public Meeting #1	March 2025
Draft Master Plan	April-May 2025
Public Meeting #2	May 2025
Final Master Plan	June 2025

SECTION 3 | PROJECT TEAM

DESIGN TEAM

The team members presented in this proposal were specifically selected to provide the Town with exceptional project coordination, technical services, schedule and cost controls, and quality control. We assembled a team of highly qualified professionals who are experienced, responsive, and flexible, regardless of the complex nature of the project or facility. Detailed resumes are provided at the end of this proposal.

DANIEL SHAW, PLA | PROJECT MANAGER / LANDSCAPE ARCHITECT



The overall Project Manager/ Lead Landscape Architect will be Daniel Shaw, PLA. Mr. Shaw will serve as the primary contact for the Town regarding the technical work and financial management of the project. He will work with the Town to schedule project-related meetings and manage preparation of the deliverables. Mr. Shaw is a landscape architect based in our Springfield, MA office, and has worked as part of multi-disciplinary teams on municipal parks design and planning projects for over ten years. In his work experience, he has collaborated with municipalities on numerous projects from design through construction.

HANNAH WELSH | LANDSCAPE DESIGNER



Hannah Welsh is a landscape designer based in Springfield, Massachusetts. She specializes in producing construction documents, planting and grading plans, graphic presentations, site analysis, illustrative plans, and 3d renderings. Ms. Welsh has collaborated in designing numerous public parks and playgrounds. Her broad design experience provides her with a vast understanding of the site development process and the ability to perform interdisciplinary design tasks. With knowledge of green infrastructure, ecological restoration, and community engagement, Hannah is committed to providing resilient and creative design solutions. She

will assist in the evaluation and design of the project sites, and in the production of the project maps and master plan document.

JEFFREY TAYLOR | LANDSCAPE DESIGNER



Jeffrey Taylor is a landscape designer based in Springfield, Massachusetts. He specializes in site inventory and analysis, master plan documents, grading and planting plans, construction documents, hand-drawn and computer-generated graphics, and 3D renderings. He has designed private residential landscapes, worked on university campus design, planting and restoration projects, and has collaborated in producing innovative design solutions for civic and public spaces such as streetscapes, parks and children's play features and spaces. Jeffrey has cultivated strong interpersonal and communication skills, having community outreach and engagement experience working with a wide diversity

of people from different cultural groups and backgrounds. Coupled with his understanding and commitment to providing nature-based solutions, green infrastructure and environmental justice, he is dedicated to providing these priorities as a part of resilient, creative and impactful design solutions.

NATHANIEL RUSSELL, P.E. | PRINCIPAL-IN-CHARGE



Mr. Russell Leads the Civil and Geotechnical Engineering practice in GZA's Springfield, Massachusetts office. Mr. Russell has more than 20 years of experience providing multidisciplinary services on a wide variety of projects, including providing and managing civil and geotechnical services on parks projects in numerous surrounding communities. As principal-in-charge, Mr. Russell will be responsible for the successful execution of this project under the current standards of professional practice. His duties will be to supervise the Project Manager and staff such that the project scope is completed on time and within budget while maintaining quality assurance and client satisfaction. Mr. Russell will be available to coordinate with GZA's Project Manager and supporting staff, as well as to meet and interface with the Town, as may be requested to facilitate the performance of GZA's services.

ANJA RYAN DUFFY, PLA | QA/QC CONSULTANT REVIEWER (C/R)



Quality Control / Quality Assurance for the project will be the responsibility of Anja Duffy. Mrs. Duffy has over 17 years of experience in developing multi-phase park improvement projects for municipalities starting with the master planning phase and continuing to construction and project close-out. Mrs. Duffy will work closely with the team to develop landscape designs that are resilient, aesthetically pleasing, environmentally sensible, safe, and accessible.

To deliver consistently high-quality products and services to our clients, GZA infuses quality into all aspects of our operations. This is evidenced by our 85% repeat business rate and through our corporate commitment to continuous improvement and customer satisfaction. The C/R is competent in the appropriate

disciplines and is independent of the day-to-day operation of the project. The C/R concentrates on technical approach, correctness, and loss prevention and plays a major role in controlling the quality of services by reviewing major concepts, approaches, conclusions, and recommendations before they are transmitted to the client.

MARK STADNICKI, PE | CIVIL ENGINEER

Mr. Stadnicki is a civil engineer based in our Springfield, MA office. He has experience in various aspects of civil engineering site development including layout, grading, utility, drainage design as well as construction support. In addition, he has experience in the permitting process that accompanies site civil development projects, having prepared permit applications as required by state and local agencies. Mr. Stadnicki also has experience presenting projects before Local permitting agencies and the local public. He will assist in civil engineering design for the project, as well as preparation of construction drawings and specifications.

CORA OTTAVIANI | ECOLOGICAL SCIENTIST

Cora Ottaviani is an ecological scientist based in our Springfield, MA office. She has experience in ecological inventory and assessment, open space planning, permitting, community engagement, GPS data collection, and GIS mapping and analysis. She will assist with creating an online survey, GIS mapping, and ecological aspects of the project.

Resumes are included at the end of the proposal after Section 6.

SECTION 4 | FINANCIAL PROPOSAL

BUDGET AND BASIS OF BILLING

GZA proposes to perform the above-described scope of services for Tasks 1-3 for the lump sum fee of **\$39,500**.

The lump sum fee is based on the anticipated scope of services outlined above and represent our present judgment of the level of effort required to perform the Scope of Services. You will be notified of any unanticipated conditions requiring an increase in the fee as soon as such become evident. GZA will invoice monthly based on percent complete, with payment expected within twenty (20) days.

The above-described lump sum is approximately broken down by Task as follows (note that approximate breakdown is presented for general information only, the actual cost for each individual task may be higher or lower than the estimated value presented herein):

Task 1 - Site Analysis: \$12,500

Task 2 - Community Engagement: \$12,800

Task 3 - Master Plan: \$14,200

ADDITIONAL SERVICES

A proposal for additional services beyond this scope, such as pond dredging analysis and design, water resources engineering, ecological services, civil/landscape design, permitting and bid/construction phase services, can be provided by GZA if requested by the Town. Our staff includes civil engineers, landscape architects, ecologists, wetland scientists, and environmental consultants who may be able to address other aspects of the Site beyond those covered in this scope, if the need arises.

SECTION 5 | PREVIOUS EXPERIENCE

EXPERIENCE

GZA has provided park improvement services to municipalities in the region for over 25 years. We have extensive experience with urban and rural parks, including master planning, public outreach, cost estimating, preparation of construction documents, and construction phase services. GZA has assisted municipalities in preparing and furthering master plan-level designs into construction documents, administering public bids, and serving as engineer-of-record for numerous publicly-funded projects.

PROJECT DESCRIPTIONS

The following project descriptions are of projects similar in scope to the Granby Recreation Facilities Analysis project.

Pomerance and Tuchman Park Master Plan

Greenwich, CT

GZA prepared a master plan for a 100-acre municipal park in Greenwich, CT, focused on ecological management, historic preservation, and passive recreation. The site was the former estate of Ernest Thompson Seton, who helped establish the Boy Scouts of America. Remnants of the former Seton Estate and other historic structures now punctuate the wooded landscape as stone ruins, some of which are maintained while others remain neglected. The site is now owned by the Town and is well-used by local residents who come here to hike and spend time in nature. An increase in visitorship during the Covid-19 pandemic strained the site's capacity and highlighted the need for a master plan to guide future maintenance and site improvements.

GZA conducted an ecological field assessment, GIS mapping and analysis of the site, a review of the site's history and planning background, and inventory of park amenities. GZA's subconsultant, HPI, compiled a narrative timeline of the site's history. GZA led a community engagement process, including in-person public meetings and an online survey (hosted by GZA) which drew over 700 responses. The project team used this research and public input to draft recommendations for the master plan.

The master plan provided a set of prioritized recommendations addressing erosion, invasive species management, climate change resilience, historic preservation, and improved signage and wayfinding. Recommendations were organized by levels of priority and approximate estimated cost. The master plan also identified potential sources of funding and outlined installation and maintenance considerations of proposed improvements.



Project Highlights:

- Park Master Planning
- Community Engagement
- Ecological Management
- Historic Preservation
- Passive Recreation
- GIS Mapping and Analysis
- Cost Estimation

Client Contact:

Dr. Gregory Kramer, Superintendent of Parks and Tree Warden, Town of Greenwich, 101 Field Point Road, Greenwich, CT 06830
(203) 622 7824
gregory.kramer@greenwichct.org

Mittineague Park East Entrance

West Springfield, MA



GZA is currently providing landscape architecture services for Mittineague Park East Entrance for the Town of West Springfield, MA. Within the 325-acre park, the East Entrance is a well-used 10-acre area containing baseball, softball, basketball, pickleball, tennis, playgrounds, picnic pavilion, parking and driveways, and trailheads to hiking, as well as utilities and park infrastructure. GZA provided schematic design options for improving site layout and circulation, optimizing site layout to resolve conflicts between facilities, and identifying opportunities to introduce expanded offerings like a splash pad, restroom building, and updated playgrounds.

This fall, GZA shared the preferred schematic design at a well-attended public meeting, where we facilitated a discussion to gain community input on the design. We are currently advancing the site design to construction documents, including full design of a first phase of improvements to be implemented next year. Further phases of the full design (accompanied by cost estimates), will be used by the Town in securing funding for implementation.

Project Highlights:

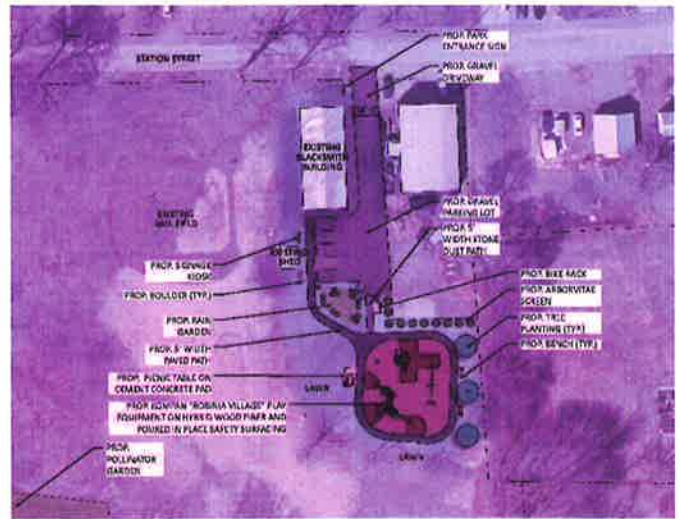
- Park Master Planning
- Community Engagement
- Landscape Architecture
- Civil Engineering
- Wetlands Delineation and Permitting
- Cost Estimating

Client Contact:

Ben Paquette, Director of Central Maintenance & Wired Utilities
Town of West Springfield
26 Central Street, Suite 7
West Springfield, MA
(413) 495 1838
bpaquette@townofwestspringfield.org

Montague Center Park

Montague, MA



GZA provided conceptual designs, cost estimation, and full design including preparation of construction documents for improvements to a municipal park in the center of Montague, MA. GZA's planning and cost estimating services allowed the Town to successfully apply for a \$450,000 PARC grant to fund full design and construction. During the design phase, GZA facilitated two public meetings to share design concepts and options for playground equipment. The final site design reflected the community's desire for playground equipment and site improvements that were in keeping with the site's rural character. The project features low-impact stormwater design strategies, poured-in-place safety surfacing, bike racks, gravel parking lot with paved ADA spaces, signage kiosk, and owner-furnished Kompan play equipment (including ages 2-5 yrs. old playground structure, ages 5-12 yrs. old playground structure, swings). GZA is currently providing construction phase service on the project, which is expected to reach completion on time and within budget.

Project Highlights:

- Cost Estimating
- Community Engagement
- Landscape Architectural Design
- Nature-based stormwater Management
- Playground Design

Client Contact:

Jon Dobosz, Director of Parks and Recreation
Town of Montague
56 First Street
Montague, MA 01376
(413) 863-3216
recdir@montague-ma.gov

Development of Camp STAR Angelina (Phases 1, 2, & 3)

Springfield, MA



GZA provided master planning services for the City of Springfield for the development of Camp STAR Angelina, a fully accessible day camp located in the City's 785-acre Forest Park. GZA's multi-phase master plan was instrumental in the City receiving grant funding from multiple funding agencies. To date, GZA has provided site civil engineering, landscape architecture, and wetland permitting services for the first 3 phases of development.

Phase 1 – Access Drive, Parking, Utilities for full build-out, Pool, Sitework for Bathhouse

GZA provided site civil engineering, landscape architecture, and ecological permitting services for a new entrance drive, utility upgrades, site development for a swimming pool, bathhouse, parking lot, and nature-based storm-water management.

Phase 2 – Amphitheater

GZA provided site civil engineering and landscape architecture services for an ADA-accessible amphitheater including concrete walks, steps, ramps, brick seating walls, landscaping, lighting, and drainage.

Phase 3 – Accessible Trail

GZA provided site civil engineering, landscape architecture, and ecological permitting services for the development of a quarter-mile accessible walking trail that descends 60± vertical feet from the main camp area down the shore of Porter Lake in Forest Park, Springfield. The trail is paved with compacted stone dust and is designed to US Forest Service Trail Accessibility Guidelines. Camp STAR Angelina offers inclusive recreational programs for youth and young adults (ages 3-22) with and without disabilities. The new trail provides access from the main campus downhill through a forested area, to the edge of Porter Lake.

Project Highlights:

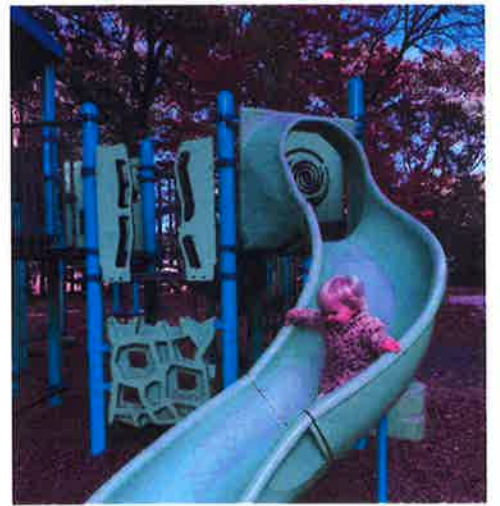
- Master Plan of Development
- Phase I Environmental Site Assessment
- Geotechnical Investigation, Recommendations, and Design
- Site Civil Engineering for Phase I of Development
- Nature-based stormwater Management
- Design of Outdoor Amphitheater
- Trail Accessibility
- Utility Design for Full Implementation of the Master Plan
- Professional Design for Phase 1, 2, 3 of Development
- Wetlands Delineation, Assessment, and Permitting

Client Contact:

Laura Walsh, Senior Parks Planner
Department of Parks, Buildings, and
Recreation Management
City of Springfield
lwashl@springfieldcityhall.com

Twenty-Five School Playgrounds

Springfield, MA



GZA provided site civil engineering and landscape architecture services for the development of twenty-five new school playgrounds throughout Springfield at various elementary schools. GZA provided full design, cost estimation, preparation of construction documents, bid phase services and construction phase services. Each site was publicly-bid individually, with bids awarded to a variety of contractors. Construction on all 25 sites is currently nearing completion. The project was funded with Early and Secondary School Emergency Relief III funding.

Project Highlights:

- Landscape Architecture
- Civil Engineering
- Cost Estimating
- Playground Design
- Stormwater Design
- Bid Phase Services
- Construction Phase Services

Client Contact:

Jon Carignan, Director of School and
Municipal Buildings
Facilities Management Division
City of Springfield
(413) 787 6279
jcarignan@springfieldcityhall.com

Redevelopment of Blunt Park

Springfield, MA

GZA provided master planning services for the multi-phase redevelopment of Blunt Park and assisted in grant application services. Upon receipt of \$1.5M of funding from multiple sources of funding, the City of Springfield contracted GZA to provide landscape architectural and civil engineering services and wetlands permitting for the full design, prepare construction documents, and provide construction phase services for Phase I of improvements. Phase I project improvements included improved ADA-compliant access to existing park improvements and parking, new ADA-compliant walkways, new accessible playground featuring poured-in-place surfacing and engineered wood fiber safety surfacing that meets Massachusetts Architectural Access Board (MAAB) and ADA guidelines, renovated pavilion and picnic grove, new memorial and flagpole area, new splash pad, six new tennis courts, upgraded utilities, improved site drainage and stormwater management, and resilient landscaping. The project was completed on time and on budget, satisfying applicable state and federal grant requirements.

Project Highlights:

- Master Planning
- Site Civil Engineering
- Landscape Architectural Design
- Playground Design
- Splashpad (water spray deck)
- Tennis Courts
- Wetlands Delineation, Assessment, and Permitting

Client Contact:

William Cahillane, Project Manager
Department of Capital Asset Construction
City of Springfield
wcahillane@springfieldcityhall.com



Redevelopment of Greenleaf Park

Springfield, MA



GZA provided master planning services for the redevelopment of Greenleaf Park and assisted in grant application services. Upon receipt of \$2.5M of funding from multiple sources of funding, the City of Springfield contracted GZA to provide site civil engineering, landscape architecture, and ecological permitting services for the redevelopment of Greenleaf Park. Site improvements include a new accessible splash pad, two new accessible playgrounds with poured-in-place rubber safety surfacing, a redeveloped parking lot, culvert headwall reconstruction, and an extensive accessible walking trail system featuring a new pedestrian bridge.

The project was completed in June 2024.

Client Contact:

Laura Walsh, Senior Parks Planner
Department of Parks, Buildings, and
Recreation Management
City of Springfield
lwalsh@springfieldcityhall.com

Project Highlights:

- Conceptual Master Plan for Successful Grant Applications
- Site Civil Engineering
- Landscape Architectural Design
- Stormwater Design
- Wetlands Delineation, Assessment, and Permitting
- Section 408 Permitting with the U.S. Army Corps of Engineers

Development of Gunnery Sergeant Thomas J. Sullivan Park

Springfield, MA



GZA prepared a master plan, assisted with the grant writing process, and ultimately provided full site civil engineering and landscape architectural services for construction documents for a new passive, lakefront park. The site was previously completely wooded site before a 2011 tornado destroyed its tree cover. GZA created a reforestation plan with 100% Americans with Disabilities Act (ADA) compliant trails from a small parking lot to a gazebo overlooking the pond, an existing pedestrian bridge, a memorial, and a kayak launch. GZA park features porous bituminous concrete pavement at the parking lot and flexible porous paved pathways. The park also features native pollinator wildflower meadows, extensive tree plantings, seating areas, a flagpole/memorial area, landscaping, and signage.

Project Highlights:

- Conceptual Master Plan for Successful Grant Applications
- Site Civil Engineering
- Landscape Architectural Design
- Stormwater Design
- Wetlands Delineation, Assessment, and Permitting
- Section 408 Permitting with the U.S. Army Corps of Engineers

Client Contact:

Laura Walsh, Senior Parks Planner
Department of Parks, Buildings, and Recreation
Management
City of Springfield
lwalsh@springfieldcityhall.com

SECTION 6 | REFERENCES

REFERENCES

The following five references are from similar projects:

1. PROJECT: POMERANCE AND TUCHMAN MASTER PLAN

Description: GZA prepared a master plan for a 100-acre municipal park in Greenwich, CT, focused on ecological management, historic preservation, and passive recreation. Recommendations were organized by levels of priority and approximate estimated cost. The master plan also identified potential sources of funding and outlined installation and maintenance considerations of proposed improvements. Project included public meetings and an online survey prepared by GZA which drew over 700 responses.

Location: Greenwich, CT
Completion date: Spring 2024
Contact: Dr. Gregory Kramer, Superintendent of Parks and Tree Warden
Owner & Address: Town of Greenwich, 101 Field Point Road, Greenwich, CT 06830
Phone: (203) 622 7824
Email: gregory.kramer@greenwichct.org

2. PROJECT: REDEVELOPMENT OF GREENLEAF PARK

Description: GZA provided master planning services for the redevelopment of Greenleaf Park and assisted in grant application services. Upon receipt of \$2.5M of funding from multiple sources of funding, the City of Springfield contracted GZA to provide site civil engineering, landscape architecture, and ecological permitting services for the redevelopment of Greenleaf Park. Site improvements include a new accessible splash pad, two new accessible playgrounds with poured-in-place rubber safety surfacing, a redeveloped parking lot, culvert headwall reconstruction, and an extensive accessible walking trail system featuring a new pedestrian bridge. The project was completed in June 2024.

Location: Springfield, MA
Completion date: June 2024
Contact: Laura Walsh, Senior Parks Planner
Owner & Address: Dept. of Parks, Buildings, and Recreation Management, 200 Trafton Road, Springfield, MA 01108
Phone: (413) 886-5186
Email: lwalsh@springfieldcityhall.com

3. PROJECT: IMPROVEMENTS TO MONTAGUE CENTER PARK

Description: GZA provided conceptual designs, cost estimation, and full design including preparation of construction documents for a \$450,000, PARC-funded construction project for the redevelopment of an accessible playground, and development of accessible walkways, parking area, and site furnishings. The project features low-impact stormwater design strategies, poured-in-place safety surfacing, bike racks, gravel parking lot with paved ADA spaces, signage kiosk, and owner-furnished Kompan play equipment

(including ages 2-5 yrs. old playground structure, ages 5-12 yrs. old playground structure, swings). The construction was awarded to Mountain View Landscapes and is anticipated to be completed this fall, within budget and on schedule.

Location: Montague, MA
Completion date: Fall 2024
Contact: Jon Dobosz, Director of Parks and Recreation
Owner & Address: Town of Montague, 56 First Street, Montague, MA 01376
Phone: (413) 863-3216
Email: recdir@montague-ma.gov

4. PROJECT: 25 SCHOOL PLAYGROUNDS

Description: GZA provided site civil engineering and landscape architecture services for the development of twenty-five new school playgrounds throughout Springfield at various elementary schools. GZA provided full design, cost estimation, preparation of construction documents, bid phase services and construction phase services. Each site was publicly-bid individually, with bids awarded to a variety of contractors. Construction on all 25 sites is currently nearing completion. The project was funded with Early and Secondary School Emergency Relief III funding.

Location: Springfield, MA
Completion date: Fall 2024
Contact: John Carignan, Director of School and Municipal Buildings
Phone: (413) 787 6279
Owner & Address: Facilities Management Division, City of Springfield
233 Allen St, Springfield, MA 01108
Email: jcarignan@springfieldcityhall.com

5. PROJECT: MITTINEAGUE PARK EAST ENTRANCE

Description: GZA is currently providing landscape architecture services for Mittineague Park East Entrance for the Town of West Springfield, MA. The site contains a wide range of recreational facilities. GZA provided schematic design options which were shared at a public meeting for community input. GZA is currently advancing the site design to construction documents, including full design of a first phase of improvements to be implemented next year. Further phases of the full design (accompanied by cost estimates), will be used by the Town in securing funding for implementation.

Location: West Springfield, MA
Completion date: Spring 2025, anticipated (design)
Contact: Benjamin Paquette, Director of Central Maintenance & Wired Utilities
Phone: (413) 495-1838
Owner & Address: Town of West Springfield, 26 Central Street, Suite 7,
West Springfield, MA 01089
Email: bpaquette@townofwestspringfield.org

SECTION 7 | COMPLIANCE DOCUMENTS AND RESUMES

Secretary of the State of Connecticut

Certificate of Legal Existence

Certificate of Legal Existence Certificate

Date Issued: Friday, December 15, 2023 9:55 AM

I, the Connecticut Secretary of the State, and keeper of the seal thereof, do hereby certify that the below corporation incorporated under the laws of United States / MA and transacting business in the state of Connecticut filed an application for certificate of authority to transact business in this office.

A certificate of withdrawal has not been filed, the corporation has filed all annual reports, and so far, as indicated by the records of this office, such corporation is authorized to transact business in Connecticut.

Business Details

Business Name in State of Formation	GZA GEOENVIRONMENTAL, INC.
Name used to transact Business in Connecticut	GZA GEOENVIRONMENTAL, INC.
Business ALEI	US-CT.BER:0170362
Registration Date	06/06/1985



Secretary of the State

Business ALEI: US-CT.BER:0170362

Certificate Number: C-00115664

Note: To verify this certificate, visit Business.ct.gov



STATE OF CONNECTICUT
DEPARTMENT OF REVENUE SERVICES

27-Dec-2023

GZA GEOENVIRONMENTAL INC
1 EDGEWATER DR
NORWOOD 020624674

Confirmation #: 0-009-252-761
CT Tax Registration No.: 003330784000

Status Letter

To Whom It May Concern,

Based on the information currently available, the State of Connecticut, Department of Revenue Services (DRS) records indicate that the entity listed above has filed all of its tax returns and paid all taxes that were reported due.

This Status Letter is valid until 26-Jan-2024.

In providing this letter, DRS is not making any representations that it has conducted an audit examination or otherwise concluded that the information reported on the tax return(s) is correct. In the future, DRS may determine that additional tax returns were required or, to the extent allowed by law, make an assessment against the taxpayer and its successors or assigns.

This is not a Tax Clearance Certificate under Connecticut General Statutes §§12-294, 12-424, 12-546, or 12-707.

Sincerely,
Department of Revenue Services

TAX CERTIFICATION AFFIDAVIT FOR CONTRACTS

04-2393851

Individual Social Security Number

State Identification Number

Federal Identification Number

Pursuant to M.G.L. Ch. 62A, sec. 49A.

Company:

GZA GeoEnvironmental, Inc.

P.O. Box (if any):

Street Address Only: 1350 Main Street, Suite 1400

City/State/Zip Code:

Springfield, MA 01103

Telephone Number:

413-726-2100

Fax Number:

413-732-1249

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

Please identify if the bidder/proposer is a:

Corporation

X

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.

TAX CERTIFICATION

I, Guy Dalton certify under the pains and penalties of perjury that GZA GeoEnvironmental, Inc. to my best
(Authorized Agent) (Bidder/Proposer)

knowledge and belief, has/have complied with all United States Federal, Commonwealth of Massachusetts, and
City of Springfield taxes required by law.

GZA GeoEnvironmental, Inc.

Bidder/Proposer/Contracting Entity

Authorized Person's Signature

Date: 10/9/24

Notary Public

STATE OF Massachusetts

October 9, 2024

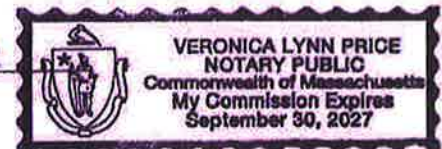
County of Hampden, ss.

Then personally appeared before me [name] Guy Dalton, [title] Associate Principal of
[company name] GZA GeoEnvironmental, 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] GZA GeoEnvironmental, Inc..

Notary Public

My commission expires:

September 30, 2027



**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 SUBMISSION. TAX AFFIDAVITS THAT ARE
NOT SIGNED AND NOTARIZED WILL BE REJECTED.**



Dan Shaw, PLA, MVP

Landscape Architect

Summary of Experience

Mr. Shaw is a landscape architect registered in Massachusetts. His work focuses on designing outdoor spaces that inspire people to form connections with their natural environments and their communities. He has designed landscapes for a range of clients including architects, municipalities, and state agencies. Dan's background has given him broad knowledge in designing public spaces, parks, trails, playgrounds, and waterfronts.

Dan is a designer and collaborator who is skilled in project management, participatory design, public engagement, and creative problem solving. He performs site analysis, conceptual design, cost estimates, construction documentation, construction observation, grading design, graphic production including freehand sketching, and interdisciplinary coordination on complex projects. He is knowledgeable in green infrastructure, resilience planning, built environments that promote health, ecological restoration, and planning at both neighborhood and regional scales.

Education

M.S., 2012, Landscape Architecture II,
University of Washington
B.S., 2009, Landscape Architecture,
University of Massachusetts

Licenses & Registrations

Professional Landscape Architect, MA
#4321 (2019)
MA Municipal Vulnerability
Preparedness (MVP) Provider (2017)

Areas of Specialization

- Landscape Architecture
- Construction Phase Services
- Cost Estimation
- Graphic Design

* Project completed at a previous firm

Project Experience

Mittineague Park East Entrance, West Springfield, Massachusetts. Dan is currently leading the design of a ten-acre area at the east end of a large Town-owned park. The project includes design development and cost estimating for new ballfields, playgrounds, splash pad, concessions building, accessible walkways, relocated utilities and driveways, and other site improvements. Services also include construction documentation for a first phase of improvements. (2024)

Quonochontaug Barrier Beach Master Management Plan, Westerly and Charlestown, Rhode Island. Dan is currently leading the development of a master plan for the stewardship of Quonochontaug Barrier Beach, a 1.7-mile long undeveloped barrier beach high in ecological value. Services include site analysis, stakeholder engagement, GIS mapping, and the development of a phased master plan with recommendations on ecological management, erosion and sand accretion, trails and vehicular drives, and site signage, as well as coastal permitting services for the first phase of improvements. (2024)

Montague Center Park, Montague, Massachusetts. Dan is currently leading the design of improvements to a Town-owned park in Montague. Project includes a new playground, driveway, parking area, walkways, rain garden, and site amenities. Services include conceptual design, cost estimating, public engagement, construction documentation, and construction phase services. (2024)

Meadow Brook Elementary School Playground, East Longmeadow, Massachusetts. Dan is currently leading the design of a new pre-kindergarten playground for a school in East Longmeadow. The project is currently under construction. (2024)

Alden Street Park, Springfield, Massachusetts. Dan is currently leading the design of improvements to a City-owned park on the shore of Lake Massasoit in Springfield. Design includes an accessible walkway, picnic areas, and fishing deck. (2024)

Nashawannuck Pond Shoreline Stabilization, Easthampton, Massachusetts. Dan is currently leading the preliminary design of repairs to bank stabilization structures in

**Dan Shaw, PLA**

Landscape Architect

Nonotuck Park on the shore of Nashawannuck Pond, including conceptual site design, cost estimating, and a summary of permitting requirements. (2024)

Harriet Tubman Park, Springfield, Massachusetts. Dan is currently leading the design of improvements to a City park on the shore of Lake Massasoit. The design includes a new playground, exercise area, amphitheater, picnic pavilion, basketball court, and fishing area. Services include conceptual design, cost estimating, wetlands delineation and permitting, construction documentation, and construction phase services. The project is currently under construction. (2024)

Camp STAR Angelina Accessible Trail, Springfield, Massachusetts. Dan provided landscape architecture design services for a 1,000 linear foot hiking trail designed to meet Forest Service Accessibility Guidelines. The trail provides access from a summer camp facility through a wooded hillside to a lake below. The trail is currently under construction. (2023)

Improvements to Playgrounds in West Springfield, Massachusetts. Dan led the design of a series of new playgrounds for the Town of West Springfield. Project included conceptual design through construction documents for nine sites, cost estimating, permitting, and construction phase services. Four of the sites are currently under construction. (2024)

Barrows Park, Springfield, Massachusetts. Dan led the design of a new playground and accessible walkways in a City-owned park. The design introduces engaging, accessible, and high play-value play climbing equipment into a previously under-utilized neighborhood park. Project included conceptual design, cost estimating, construction documentation, and construction phase services, and is currently under construction. (2024)

Nahorniak Park, Springfield, Massachusetts. Dan led the design of a new playground in a City-owned park. The small project site is constrained by existing topography, utilities, and walkways. By creatively selecting and locating the playground features, the design creates a new playground that fits seamlessly into the existing park. The project is currently under construction. (2024)

Esek Hopkins Park Improvements and Trail System, Scituate, Rhode Island. Dan is currently leading the development of a new accessible walking trail and playground accessibility updates in a town-owned park. The new trail will provide access between the parking area, ballfields, points of interest in the woods, and the updated playground. (2023)

Borgatti Park Pickleball Courts, Agawam, Massachusetts. Dan led the design of new pickleball courts, walkways, and park pavilion in a town-owned park. Project included master planning, cost estimating, construction documentation and construction phase services. (2023)

Conant Park Master Plan, Southamptton, Massachusetts. Dan led the development of a master plan for a 23-acre town-owned park that includes ballfields, playgrounds, walking trails, drainage improvements, historic features and a pavilion and picnic areas. Project included prioritization of improvements, illustrative master plan, and cost estimate. (2023)

Peterson-Puritan Operating Unit No. 2 Landscape Architecture Services, Cumberland, Rhode Island: Dan led the schematic design of park improvements for the re-use of a closed landfill. Working simultaneously and in close collaboration with the designers of the landfill cap, park design options included walking trails, meadow landscapes, parking and access, play equipment, and park amenities, as well as creative landform of the landfill cap design to enhance the overall park landscape. Services also included 3d renderings and visualizations of the proposed design. (2023)

Pomerance and Tuchman Master Plan, Greenwich, Connecticut. Dan led the development of a master plan for a 100-acre Town owned open space. The project included existing conditions assessment of historic ruins, ecological conditions, hiking trails and visitor amenities. The project produced a master plan with recommendations for future capital improvements and ongoing maintenance for this unique and historic park, including trail improvements, accessibility upgrades, and historic preservation, as well as measures to increase climate resilience and biodiversity. (2023)

Venture Pond, Springfield Massachusetts. Dan led the design of improvements to a City-owned pond in a residential neighborhood, including design of a fishing deck and kayak launch. Project included existing conditions topography and bathymetry survey, wetland delineation, and permitting. (2023)



Anja Theresa Ryan Duffy, P.L.A.

Senior Project Manager / Professional Landscape Architect

Summary of Experience

Anja leads a team of landscape designers within GZA who specialize on creating outdoor spaces that safe, accessible, aesthetically pleasing, and resilient. For over 17 years she has worked on project involving the public park projects and within this time has successfully prepared dozens of conceptual site designs and that have been pivotal to being awarded multi-phase of funding and implementation. She oversees the production of not only conceptual site plans, graphic presentations, and but also full preparation of construction documents on a variety of public and private site development and open-space restoration projects. Her broad technical knowledge allows her to successfully manage interdisciplinary projects and provide construction phase designer services. Anja's approach to landscape design comes from nature-based design solutions, paired with an experienced understanding of how people use and enjoy outdoor spaces. Her landscape designs include resilient landscape materials, native plants, and nature-based stormwater management when applicable.

Project Experience

New Playground Facilities at 25 Elementary Schools | Springfield, Massachusetts. Anja was lead designer and project manager for twenty-five school playground projects funded by the Elementary and Secondary School Emergency Relief III grant. Anja and her team successfully produced bid level construction documents for each school and managed the project as separate projects that were simultaneously following the same construction schedule. The average cost of development for each playground development project was about \$500,000. Anja led GZA's effort as engineer of record during the construction phase. Twenty-one of the school playgrounds have been completed and the remaining four will be completed by the end of November 2024.

Putnam Technical Academy High School Artificial Turf Athletic Field | Springfield, MA Anja was lead designer and project manager for development of an artificial turf athletic field funded by the Elementary and Secondary School Emergency Relief III grant. Anja and her team successfully produced bid level construction documents and performed designer phase construction services for the \$2.1 million project.

Greenleaf Park | Springfield, Massachusetts. Anja was lead landscape architecture designer and project manager leading the redesign effort of Greenleaf Park, beginning with conceptual master and plan to full design and development of bid-level construction documents resulting in a successful \$2.5 million construction project. Anja led a team of GZA civil and geotechnical engineers and wetland scientists for the design and permitting of head replacement which was intrinsic to the park restoration project. Additional site improvements included 0.5 mile of accessible trails and walkways, a new pedestrian bridge/wetland crossing, two accessible playgrounds, water spray play area, parking lot improvements, stormwater improvements, lighting, landscaping, site furnishings, and signage.

Blunt Park | Springfield, Massachusetts. Anja led the design effort, beginning with conceptual master and plan leading to full development of bid-level construction documents for the \$1.5 million redevelopment project of Blunt Park. Anja led a team

Education

B.S., 2005, Landscape Architecture,
University of Massachusetts- Amherst

Licenses & Registrations

- 2011, State of Connecticut,
Registered Landscape Architect,
#1198
- 2012, Commonwealth of
Massachusetts, Registered
Landscape Architect, #4000
- 2017, State of Rhode Island,
Registered Landscape Architect,
#0647
- 2019, State of New Hampshire,
Registered Landscape Architect,
#00177

Areas of Specialization

- Master Planning
- Site Design
- Planting Design
- Construction Document
Preparation
- Designer Construction Phase
Services
- Cost Estimation
- Graphic Design



Anja Ryan Duffy, PLA

Landscape Architect

of GZA civil and geotechnical engineers and wetland scientists for the design and permitting of site improvements and stormwater management systems. She managed designer phase construction phase serves. Project site improvements includes new accessible walkways, playground, renovated picnic pavilion and picnic grove, water spray play areas, parking lot improvements, landscaping, site furnishings, and signage.

Kenefick Park | Springfield, Massachusetts. Anja led design, starting with conceptual master plan too full design, preparation of construction documents, and managed designer construction phase services for a multi-phase \$1.75 million park redevelopment project. Site improvement included accessible pedestrian connections, parking lot, splash pad, playground, picnic pavilion, softball field, basketball courts, handball wall, site furnishings, site utilities, irrigation, and landscaping. The final phase of the multi-phase project was completed in September 2024.

Ruth Elizabeth Park | Springfield, Massachusetts. Anja led design, starting with conceptual master plan too full design, preparation of construction documents, and managed designer construction phase services for a multi-phase \$1.5 million park redevelopment project. Site improvement included accessible pedestrian connections, splash pad, playground, entrance pavilion, basketball court, handball wall, site furnishings, site utilities, and landscaping. The final phase of the multi-phase project was completed in November 2020.

Calhoun Park | Springfield, Massachusetts. Anja led design, starting with conceptual master plan too full design, preparation of construction documents, and managed designer construction phase services for a multi-phase \$880,000 park redevelopment project. Site improvement included accessible pedestrian connections, playground, handball wall, site furnishings, site utilities, and landscaping. The final phase of the multi-phase project was completed in September 2024.

Stearns Square & Duryea Way | Springfield, Massachusetts. Anja led design, starting with conceptual master plan too full design, preparation of construction documents, and managed designer construction phase services for redevelopment of a historic urban park, pedestrian alley way, and adjoining streetscape. Anja's vision was developed through stakeholder and public engagement and historical consultation for the full restoration of Stearns Square, a historical park, and the redevelopment of Duryea Way, a pedestrian alleyway, into a venue for public markets and dining. Anja's design featured expanded City sidewalks, restoration of a historical fountain created by Augustus Saint-Gaudens, street tree plantings, new pavements, street furnishings, extensive planting beds, lighting, signage, and traffic calming measures. Anja led the development of construction documents and performed construction phase designer services through construction.

Montague Center Park | Montague, Massachusetts. Anja was the consultant reviewer of the design and construction documents produced by her landscape architect colleagues. The project involved development of an accessible, multi-age playground, accessible walkways, parking lot, nature-based stormwater management, kiosk, site furnishings, and signage. Anja provided design input, review of cost estimate, and final review of deliverables.

Meadow Brook Elementary School Playground | East Longmeadow, Massachusetts. Anja was the consultant reviewer of the design and construction documents produced by her landscape architect colleagues. The project involved development of an accessible, multi-age playground, accessible walkways, fencing, and site furnishings. Anja provided design input, review of cost estimate, and final review of deliverables.

North Riverfront Park | Springfield, Massachusetts. Anja was the lead landscape architect and project manager for a park development project along the Connecticut River in Springfield. The new park is situated around the Pioneer Valley Riverfront Club and features ample area for assembly of rowers and their various row boats (shells), pavilion, picnic areas, river rock masonry retaining walls and overlook areas, connection to adjacent bike trail, fitness trail, landscaping, and parking. GZA provided site civil engineering, landscape architectural and environmental services for project which interfaced with the USACE-constructed flood control levee therefore requiring Section 408 permitting for alteration of a Federally constructed project.

**Nathaniel L. Russell, P.E.**

Associate Principal / Civil & Geotechnical Engineer

Summary of Experience

Mr. Russell leads GZA's Civil and Geotechnical Engineering practice in GZA's Springfield, Massachusetts office. His experience includes Geotechnical Engineering and Design, Site/Civil Engineering (land development), Site Investigations, Landfill Design and Permitting, Stormwater / ESCP Design and Permitting, Wetland Permitting, Environmental Remediation / Brownfields Redevelopment, Alternative Energy Site Development, Project Management, Construction Management / Construction Quality Assurance, and Litigation Support.

Geotechnical experience includes developing and executing or overseeing subsurface exploration programs, design of shallow and deep foundation systems (spread footings, steel H-piles, timber piles, micro piles, and helical piles), MSE retaining walls, estimating settlements, and preparing design-phase reports, design and specification of temporary support of excavation systems (soil nail wall and soldier pile/lagging), as well as performing and overseeing construction monitoring. Construction phase experience includes geotechnical inspection and site preparation including deep and shallow foundation systems, major earthwork projects (excavation and filling), rock removal (blasting). He has performed field inspection and laboratory testing for asphalt, soils, concrete, groundwater, and other construction materials.

Civil/Geotechnical Engineering

Geotechnical Engineer, Upper Van Horn Reservoir Dam Phase II Evaluation/Conceptual Design and Design/Permitting Rehabilitation Projects, Springfield, Massachusetts. Mr. Russell was the lead geotechnical engineer on both of these projects related to investigations and design and permitting for improvements needed to bring the Upper Van Horn Reservoir Dam into Good Condition. The project includes study, design and permitting of large-scale rehabilitation of the dam, including permitting and approvals through MEPA, Section 401, 404, Wetlands Protection Act, Chapter 253, among others.

Geotechnical Engineer, Soldiers' Home in Holyoke, Holyoke, Massachusetts. GZA is providing extensive geotechnical engineering support for the ongoing design of the +\$400-million reconstruction of Soldiers' Home in Holyoke project. The project includes phased construction of the new 9-story hospital building, demolition of the existing facility and reconstruction of site parking facilities and other infrastructure. In support of the design, GZA is providing geotechnical engineering support for construction of the new hospital building, design of temporary support of excavation, geotechnical evaluation, and preliminary design of large retaining walls to support new access roads, geothermal evaluation including installation of two geothermal test wells. Mr. Russell is managing GZA's geotechnical engineering services for design and construction of the project.

Civil/Geotechnical Engineer, Woods Hole Ferry Terminal Reconstruction, Falmouth, Massachusetts. GZA is providing extensive engineering support to the Steamship Authority for the ongoing +\$150-million reconstruction of Woods Hole Ferry

Education

B.S., 2003, Civil Engineering, Lehigh University

M.S., 2006, Geotechnical Engineering, University of California

Licenses & Registrations

2008, Professional Engineer, Massachusetts, #47719

2014, Professional Engineer, Connecticut, #PEN.0030556

2016, Professional Engineer, Vermont, #018.0117996

2016, Professional Engineer, New York, #096236

MA Solid Waste Facility Third Party Inspector TIPX263211

Nuclear Density Gauge Certified
49 CFR 172 (H)

Areas of Specialization

- Geotechnical Engineering
- Civil Engineering
- Subsurface Investigations
- Solid Waste Management
- Construction Monitoring
- Construction Management
- Stormwater Management
- Environmental Permitting



Nathaniel L. Russell, P.E.

Senior Project Manager / Civil & Geotechnical Engineer

Terminal and relocation of their administrative offices to an off-site location. Mr. Russell is managing GZA's civil engineering services for design, permitting and construction of the phased reconstruction of the Ferry Terminal, including replacement of all three slips, the terminal building, a new storage building, new MassDEP compliant stormwater management system, new utility services (water, electric, communications and sanitary sewer) and associated infrastructure improvements.

As part of the project, GZA assisted with the civil and geotechnical design for SSA's new 20,000-sf administrative office building and temporary terminal (both under construction) to relocate their administrative services and operational personnel.

Mr. Russell also assisted with the permitting of the project with local, state, and federal regulators, including filing a wetlands Notice of Intent (NOI), Chapter 91 license and Section 401 Water Quality Certification.

Geotechnical Engineer, Wahconah Regional Middle School, Dalton, Massachusetts. Mr. Russell provided geotechnical services during design of the Town of Dalton's new middle school, including evaluation of available existing geotechnical data, coordination of supplemental subsurface explorations, assessment of geotechnical conditions at the site, development of geotechnical design recommendations for the new school, and preparation of construction documents.

Geotechnical Engineer, Taconic High School, Pittsfield, Massachusetts. Mr. Russell provided geotechnical services during design and construction of the City of Pittsfield's new technical high school. Mr. Russell reviewed submittals and requests for information, met with the owner's representative and their testing agency to review subsurface conditions encountered during construction of the building foundation and provided technical guidance during construction. Mr. Russell oversaw GZA's field services during construction, including managing on-site staff and providing on-call support to junior engineers.

Geotechnical Engineer, Lower Van Horn Dam Rehabilitation, Springfield, Massachusetts. Mr. Russell provided geotechnical engineering and senior engineering field support during rehabilitation of the Lower Van Horn Dam, a High Hazard Class dam owned by the City of Springfield and located immediately upgradient of the expansive campus of Baystate Medical Center, the region's only Level 1 Trauma Center and the City's largest employer. Mr. Russell provided assistance to junior-level field staff responsible for routine observation and documentation of field repairs to ensure the work performed was in accordance to the contract drawings and specifications. Mr. Russell attended meetings with the owner and their dam repair contractor as well as assisting the project team develop solutions for unforeseen conditions encountered during construction, including mitigation of deposits of buried organics encountered within the embankment fill and abandonment of unknown conduits encountered in the embankment.

Geotechnical Engineer, Upper Roberts Meadow Dam Breach, Northampton, Massachusetts. Mr. Russell provided construction-related geotechnical engineering and field observation assistance to the project team during breach and removal of a high hazard stone masonry dam in poor condition. Mr. Russell reviewed Contract Documents including final design drawings and project administrative and technical specifications and provided field-liaison with the dam removal contractor during construction on an as-needed basis.

Geotechnical Engineer, North Riverfront Park, Springfield, Massachusetts. Mr. Russell led the geotechnical evaluation of a proposed ramp on the levee system sideslope for access to an existing bike path and design of site retaining walls and building foundations. The project involves construction of new retaining walls and placement of fill over the riverside slope of a levee that is an integral part of the City of Springfield's flood control system. As part of the project GZA obtained Section 408 approval from the USACE.

Affiliations/Memberships

- Member, American Society of Civil Engineers (ASCE/G-I)
- Association of Dam Safety Officials
- Boston Society of Civil Engineers



Jeffrey Taylor

Landscape Designer

Summary of Experience

Jeffrey Taylor is a landscape designer based in Springfield, Massachusetts. He specializes and has experience in producing construction details and documents, grading and planting plans, hand-drawn and computer-generated graphics, site inventory analysis, master plan documents and 3D renderings. He has designed private residential schematics, worked on university campus design, planting and restoration projects, and has collaborated in producing innovative design solutions for civic and public spaces such as streetscapes, parks and children's play features and spaces. Jeffrey has cultivated strong interpersonal and communication skills, having community outreach and engagement experience working with a wide diversity of people from different cultural groups and backgrounds. Coupled with his understanding and commitment to providing nature-based solutions, green infrastructure and environmental justice, he is dedicated to providing these priorities as a part of resilient, creative and impactful design solutions.

Experience Prior to GZA

PARK OPERATIONS AND MANAGEMENT

Park Ranger II, Sonoma County Regional Parks, Santa Rosa, California. Jeffrey has more than fourteen years of experience in managing park facilities including service to the public, maintenance and operational procedures, regulation and code enforcement, accounting, reporting and documenting incidents, emergency medical care, supervision of staff and dealing with the needs of park visitors. He has handled multiple challenging and confrontational situations involving criminal suspects while enforcing county and state penal codes; communicated and acted effectively to ensure personal and public safety.

Jeffrey coordinated with supervising rangers in the recruitment, screening, interviews and hiring of seasonal staff members, as well as experience with counseling and training staff members on job functions and assignments regarding visitor services, maintenance tasks, law enforcement options and emergency procedures. He also conducted, developed, and led guided walking tours, cooking programs, backpacking clinics and other park interpretation events. Acted as lead interpretative ranger for the Central Operations and South Divisions regarding issues of public speaking, subject research and investigation, and involvement in volunteer events. He has worked as a liaison with tribal citizens of the Federated Indians of Graton Rancheria regarding Tolay Lake cultural history, resource protection and interpretation, personal tours and assistance with special events involving the tribe.

He has collaborated with park planners regarding department facilities, improvements to park properties and programs, operational requirements for new acquisitions, and contributions for the development and management of events.

Education

M.L.A., 2024, Landscape Architecture,
University of Massachusetts – Amherst
B.A., 2003, Anthropology,
Sonoma State University

Certifications

Cultural Landscape Management

Areas of Specialization

- Landscape Architecture
- Site Design Layout
- Grading and Plantings
- Graphic Design
- Conceptual Rendering

Awards

Olmsted Scholar, 2024
Landscape Architecture Foundation

Affiliations/Membership

- American Society of Landscape Architecture
- Boston Society of Landscape Architects



Jeffrey Taylor

Landscape Designer

Jeffrey has experience with the media in conducting live and recorded radio interviews and programs for broadcasting park events and promoting the department. Developed, wrote, and recorded a solo weekly radio program to foster community engagement and stewardship awareness issues surrounding parklands and environmental awareness.

He has actively worked to improve public safety within park facilities and the community at large; worked as a certified Emergency Medical Technician (EMT-B) from 2005 to 2019; achieved the role as a Certified Playground Safety Inspector (CPSI) through the National Recreation and Park Association (NRPA); held certification as a Level 9 Safety Instructor for BLS and Wilderness Emergency Care by the American Safety & Health Institute (ASHI).

Presentations

"Growth Through Play: How Outdoor and Nature Play Relates to Children's Social-Emotional Development in Waldorf Education Settings and Beyond." Poster presentation at the Council of Educators in Landscape Architecture (CELA), St. Louis, MO, March 2024.

Affiliations/Memberships

- American Society of Landscape Architects (ASLA)
- Boston Society of Landscape Architects (BASLA)

Volunteer Activities

- American Red Cross Volunteer – medical and law enforcement resource worker during wildfire incident affecting Lake County, CA, 2015.
- Family Connection Volunteer - assisted single-parent family for approximately a year by providing consultation, childcare emotional support, and transportation. Santa Rosa, CA, 2003



Hannah Welsh

Landscape Designer

Summary of Experience

Hannah Welsh is a landscape designer based in Springfield, Massachusetts. She specializes in producing construction documents, planting and grading plans, graphic presentations, site analysis, illustrative plans, and 3d renderings. Hannah has collaborated in designing a range of civic, commercial, and residential spaces, including parks, playgrounds, trails, campgrounds, ski resorts, and memorials. Her broad design experience provides her with a vast understanding of the site development process and the ability to perform interdisciplinary design tasks. With knowledge of green infrastructure, ecological restoration, and community engagement, Hannah is committed to providing resilient and creative design solutions.

Relevant Project Experience

Project Landscape Designer | New Playground Facilities at Twenty-Five Public Elementary Schools | Springfield, Massachusetts. Hannah supported the design of twenty-five school playground projects in Springfield funded by the Elementary and Secondary School Emergency Relief (ESSR) grant. Hannah aided the team with bid-level construction documents for each school. Each project site was managed separately and was followed through construction. Each site provided a unique opportunity to provide accessible play areas for students with an average cost of \$500,000. Twenty-one of the schools' playgrounds have been completed, and the remaining four will be completed by the end of November 2024.

Project Landscape Designer | Mittineague Park East Entrance | West Springfield, Massachusetts. Hannah is supporting the design of the ten-acre entrance area of the 325-acre town-owned park and recreation area. The project is providing the town with new ballfields, a playground, a splashpad, a concessions building, a fitness area, and accessible walkways. The project will relocate existing utilities, parking areas, and driveways to provide the park with more seamless recreation space and a friendlier arrival to the park. The team is responsible for design development and cost estimating for a multi-phased park improvements plan as well as construction documentation for the first phase of improvements. (2024)

Project Landscape Designer | Montague Center Park | Montague, Massachusetts. Hannah aided the improvement plan for the public park located in the Montague Center neighborhood. The project includes a new playground, driveway, parking area, walkways, rain garden, and site amenities. Services provided by the GZA team include conceptual design, cost estimating, public engagement, construction documentation, and construction phase services. (2024)

Project Landscape Designer | Harriet Tubman Park | Springfield, Massachusetts. Hannah is currently assisting in the development and design of Harriet Tubman Park, situated along Lake Massasoit. The design includes a new playground, outdoor fitness center, amphitheater, pavilion space, basketball court, and fishing pier. The project is currently under construction. (2024)

Project Landscape Designer | New Playground Facilities at West Springfield Public Elementary Schools and Public Parks | West Springfield, Massachusetts. Hannah is contributing to the design of a series of nine new playground sites across the town of

Education

B.S., 2021, Landscape Architecture,
Minor in Natural Resource Conservation,
University of Massachusetts- Amherst

Areas of Specialization

- Landscape Architecture
- Site Design- Layout, Grading, Planting
- 3D Rendering
- Graphic Design

Affiliations/Membership

- American Society of Landscape Architecture
- Boston Society of Landscape Architects

Hannah Welsh

Landscape Designer

West Springfield, five public elementary school playgrounds, and four public parks. The project intends to provide the town with new accessible playground facilities and improve site connections for existing park structures. The project included conceptual designs through construction documents for the nine sites, cost estimating, permitting, and construction services. Four of the sites are currently under construction (2024).

Project Landscape Designer | Magazine Park | Springfield, Massachusetts. Hannah assisted in the development of a master plan for a 3.1-acre neighborhood park with the creation of an illustrative plan used to help promote the project. The plan intends to create a more inviting space by reorganizing existing park elements with more intentional walkways, clear entrance areas, an upgraded playground, and new site amenities. (2022)

Project Landscape Designer | Blunt Park | Springfield, Massachusetts. For the development of Blunt Park, Hannah created a series of perspective renders to support the visualization of the proposed design. The proposed design aims to create an inviting gathering area for people of all ages, with a new playground area, splash pad, pavilion area, and a memorial garden for the Stone Souls Festival which takes place at the park every summer. (2023)

Project Landscape Designer | Greenleaf Park | Springfield, Massachusetts. Hannah supported the master plan for Greenleaf Park and created an illustrative plan for the project proposal. The project strives to connect the two existing park parcels with a more cohesive park path and create new play areas with a splash pad, accessible trails throughout the site, and improvements to existing stormwater. (2023)

Project Landscape Designer | Marshall Roy Park | Springfield, Massachusetts. Hannah supported the development of construction documents for Marshall Roy Park. The 14-acre park design includes an improved pedestrian walkway through the park, a splash pad, and an outdoor gym area. By creating a large accessible pathway, the project will increase the overall accessibility of the park. (2022).

Project Landscape Designer | Cottage Hill Park | Springfield, Massachusetts. Hannah created a series of perspective renderings to support a proposed master plan. She assisted in the creation of construction documents for the 3.5-acre park located in the Orchard Hill neighborhood of Springfield. The site is a registered Massachusetts Historical Landmark established in 1850. The proposed site design intends to accompany existing historical elements with increased signage and horticultural identification, restore pathways, and planting beds, and create new seating areas and gathering spaces. (2022)

GRAPHIC DESIGN & VISUALIZATIONS

Maine Maritime Academy Waterfront Campus | Castine, Maine. Hannah created a watercolor painting depicting the proposed waterfront structures and the new National Security Multi-Mission Vessel (NSMV) to be used by students of Maine Maritime Academy. The hand-drawn and painted watercolor provides the Academy with the proposed conditions of the waterfront for marketing the new NSMV. Hannah was also responsible for creating a 3d model and visual simulations of the vessel from several different vantage points to be used for permitting/planning purposes.

Collinsville Dam | Dracut, Massachusetts. Hannah worked to create visual simulations of the proposed conditions of the stream after the Collinsville dam removal over several years. The proposed design removes the existing dam and reintroduces the natural stream bank.

Islesboro Narrow | Islesboro, Maine. Hannah created a visualization of a proposed stormwater revetment along the harbor shore and Main Road to help prepare the town for rising sea levels, and 100-year storm floods. This project's goal is to help the town's climate resiliency and help maintain the connection between the northern and southern portions of the island.



Cora Ottaviani

Ecological Scientist

Summary of Experience

Cora Ottaviani joined GZA in the summer of 2021 bringing academic experience across environmental management, wildlife conservation, writing, and ecological field studies. She has worked in environmental nonprofits and state departments on topics ranging from plant ecology, forestry, and mosquito management. This included a considerable amount of field experience in beech leaf disease distribution surveys, collecting forest measurement data, and plot establishment for the Forest Ecosystem Monitoring Cooperative. Her current projects at GZA include open space/woodland management planning, rare species surveys, and living shorelines.

Relevant Project Experience

BIOLOGICAL INVENTORY, GEOGRAPHIC INFORMATION SYSTEMS (GIS), & CONSERVATION MANAGEMENT

Field Ecologist, Glastonbury Open Space and Woodland Management Plan, Glastonbury, Connecticut. Assisted in surveying and collecting GPS data of existing conditions (trail conditions, invasive species, wetlands, etc.) within open space parcels. Used ArcGIS software to create figures of site for online survey for the gathering of public input. Also responsible for creating final figures to accompany listed recommendations provided in the management plan.

Field Ecologist, Existing Conditions Survey, Greenwich, Connecticut. Assisted in survey of trails, invasive species, wetlands, and forest composition of public park to include in our recommendations report. Used GIS software to create figures for online survey and public meetings presentations.

Field Ecologist, Seaview Beach Association Project, Madison, Connecticut. Conducted coastal plant survey assessment of marshes and dunes.

Field Ecologist, Rare Plant Transplant, Hamden, Connecticut. Assisted in collecting and removing rare plant seedlings from proposed work area.

Field Ecologist, Rare Plant Surveys, Groton, Connecticut. Assisted in surveying and collecting GPS points of rare and threatened species for transplant from work area.

GEOGRAPHIC INFORMATION SYSTEMS (GIS)

GIS Coordinator, Bantam Lake, Litchfield, Connecticut. Responsible for field GPS data collection of wetlands and ordinary high-water line. Processed field GPS data to map natural resource boundaries using ArcGIS Pro software.

REGULATORY PERMITTING

Natural Resources Specialist, Southern Regional Water Authority, Lake Whitney Dam Improvements, Hamden, Connecticut. Assisting in the submittal of state and federal permitting (Individual Dam Safety, 401 WQC, USACE 404 IP).

Education

MEM, Environmental Management, Yale University, 2019
BA, Biology, Minor in Environmental Studies, University of Hartford, 2016

Certifications

- Level 1 Venomous Course, The Rattlesnake Conservancy, 2024
- RI Coastal Invasive Manager

Affiliations/Memberships

- Environmental Professionals Organization of Connecticut (EPOC)
- Connecticut Society for Women Environmental Professionals (SWEP-CT)
- New England Women in Energy and the Environment (NEWIEE)

Areas of Specialization

- Habitat/Landscape Ecology
- New England Plant/Wildlife/Insect Identification
- GIS Mapping

Trainings/Volunteer

- CT DEEP Diamondback Terrapin Monitoring
- Maritime Aquarium Horseshoe Crab Tagging
- Wetland Soils Workshops (multiple)
- Flora Identification Workshops (ferns, shrubs, non-Carex sedges)



Cora Ottaviani

Ecological Scientist

Natural Resource Specialist, Long Wharf Erosion Protection-Shoreline Project, New Haven, Connecticut. Assisted in the preparation of permitting documents (COP, USACE PCN, alternative analysis) for submittal.

Experience Prior to GZA

Research Assistant, Connecticut Agricultural Experiment Station – Forestry and Horticulture, New Haven, Connecticut. Collected forest measurement data including tree diameter, cover class, and canopy height using laser rangefinders in multiple study plots throughout Connecticut. Responsible for processing digital elevation model (DEM) data in ArcMap for the constructing of topographic wetness indexes using SAGA GIS to analyze soil moisture in long-term oak plots.

Research Assistant, Connecticut Agricultural Experiment Station – Plant Pathology and Ecology, New Haven, Connecticut. Completed a distribution survey to monitor the spread of beech leaf disease by conducting site visits to state forests, parks, and private preserves. Responsible for programming HOBO data loggers to monitor temperature and relative humidity at 10 study plots.

Publications

Ottaviani, Cora. "Conserving the Sidekicks." Wild Without End, Defenders of Wildlife, 17 Aug. 2018, medium.com/wild-without-end/conserving-the-sidekicks-13388922e768.

Bin Zhu, Cora C. Ottaviani, Rahmat Naddafi, Zhicong Dai, Daolin Du; Invasive European frogbit (*Hydrocharis morsus-ranae* L.) in North America: an updated review 2003–16, *Journal of Plant Ecology*, Volume 11, Issue 1, 19 January 2018, Pages 17–25, <https://doi.org/10.1093/jpe/rtx031>

Rare Species Transplants

Common Name	Latin Name
Golden dock/Bristle dock/Seashore dock	<i>Rumex maritimus</i>

Rare Species Surveys

Common Name	Latin Name
Yellow thistle	<i>Cirsium horridulum</i>
Field Paspalum	<i>Paspalum laeve</i>

**Mark Stadnicki, P.E.**

Assistant Project Manager

Summary of Experience

Mr. Stadnicki has experience in various aspects of civil engineering site development including layout, grading, utility, drainage design as well as construction support. In addition, he has experience in the permitting process which accompanies site civil development projects, having prepared permit applications as required by State and Local agencies. Mr. Stadnicki also has experience presenting projects before Local permitting agencies and the local public.

Mr. Stadnicki has worked on numerous site civil developments performing such tasks as review of local by-laws, evaluation, planning, layout, grading, utility, drainage design, preparing engineers opinion of costs, construction specification writing, contractor submittal review, and construction observation. Mr. Stadnicki's civil site development experience ranges from evaluations to final design, permitting and construction. Before joining GZA, Mr. Stadnicki was with SVE Associates.

Project Experience**Project Engineer, Carriage Grove Phase 1A & 1B, Belchertown, Massachusetts.**

Provide site engineering services for a 108 unit housing development (Phase 1A) and supporting renovations to a historic building (Phase 2B). Project tasks include layout, site grading, stormwater management, sediment and erosion control.

Project Engineer, Kings Corner Culvert Replacement, Halway, Massachusetts.

Provide site engineering services for the replacement of an existing culvert under West Hawley, Road (Route 8A) in Hawley, MA.

Project Experience Prior to GZA**SVE Associates**

Project Manager, NUPRO, LLC., Deerfield, Massachusetts. Provide civil site design and permitting services for a 10,000+ SF Manufacturing building in the Town of Deerfield. Project tasks included the layout, stormwater management and permitting of the project through the Select Board and Conservation Commission.

SVE Associates

Project Engineer, Treehouse Deerfield, One Community Place, Deerfield, Massachusetts. Provide site, stormwater design and permitting services for multiple phases of the redevelopment of One Community Place in Deerfield. Tasks included the layout, site grading, and stormwater management for the site improvements for Treehouse's Phase 2 redevelopment of the property. Also provide design and permitting for a pedestrian trail and pedestrian stream crossing.

SVE Associates

Staff Engineer, Condominiums at Sugarloaf, Deerfield, Massachusetts. Provide civil site design and construction support of a 35 Lot senior housing subdivision on 22 Ac of land at the base of Sugarloaf Mountain in Deerfield, Massachusetts. Site design included 1/3,100 LF of roadway, with associated sanitary, sewer, water and stormwater

Education

B.S., 2011, Civil Engineering, University of Massachusetts Amherst

Licenses & Registrations

2019, Professional Engineer, Massachusetts, #55402
Soil Evaluator, #13884, Commonwealth of Massachusetts - MassDEP

Areas of Specialization

- Civil Engineering
- Land Development/Site Design
- Site Layout
- Grading and Drainage



Mark Stadnicki, P.E.

Assistant Project Manager

management, soil exploration to estimate the seasonal high groundwater for the MassDEP Stormwater Management Standards, provide construction layout.

SVE Associates

Project Engineer, Green River Building, Greenfield, Massachusetts. Provide civil site design and permitting services for a redevelopment project of an old grocery store Pioneer Valley Community Action. Tasks included providing site layout design, site grading, site plan development, and permitting of the project with the Planning Board and Conservation Commission.

SVE Associates

Project Engineer, Greenfield Municipal Parking Garage, Greenfield, Massachusetts. Provide civil design of the relocation of existing utilities around the proposed site of the municipal parking garage. Provide site layout, grading, stormwater design, and construction specifications for the project.

SVE Associates

Engineer, NEXAMP, Various Sites, Massachusetts. Provide an array of services that ranged from civil site design, permitting, and construction support/layout at various NEXAMP project sites throughout Massachusetts.