

# Stadia Engineering Associates, Inc.

## Company Profile

*Stadia Engineering Associates, Inc.* is a full-service consulting firm that provides professional land surveying, environmental planning and engineering. Stadia Engineering Associates, Inc. principals have over 60 years combined experience in land surveying and consulting services, which provides the foundation of our solid reputation.

*Stadia Engineering Associates, Inc.* employs a talented staff of surveyors, planners, engineers, and support personnel, providing professional, technical, and administrative services to meet all of the requirements of a project. The diverse engineering, technical background, and experience of our staff are crucial elements in the assembly of a comprehensive team that can meet the needs of any given project. Our experience includes extensive work in both the public and private sectors. Our field and office teams utilize cutting-edge technology along with their broad knowledge and expertise to provide our clients with an accurate, reliable, and sustainable design that is delivered on time & within budget.

*Stadia Engineering Associates, Inc.* values its relationships with our clients and strives to provide them with unparalleled levels of quality and professionalism. Our commitment to superior customer service provides our clients with accurate, detailed designs. We measure our success by our ability to earn the loyalty of our clients. Everything from our state-of-the-art equipment to our friendly client oriented professional staff is at your service.

## Professional Services

### Surveying:

Existing Condition / Topographic Surveys  
ALTA/ACSM Land Title Surveys  
Boundary Surveys  
Photogrammetric Control  
Hydrographic and Flood Plains  
Utility & Subsurface Infrastructure Surveys  
Record Surveys (As-Built Survey)  
FEMA Elevation Certificates  
Title Search Services  
Legal Descriptions & Exhibits  
Litigation & Expert Witness Services  
Condominium Mapping / Documents  
ROW / Easement Mapping

### Environmental Planning:

Site Selection / Land Uses Feasibility Studies  
Master Planning and Site Analysis  
Residential / Commercial Developments  
Mixed Use Developments  
Conceptual Design and Graphic Presentations  
Zone Changes / Open Space Planning  
Wetland Delineation and Mitigation  
Grant Assistance

### Engineering:

Highway and Roadway Design  
Structure Design (Bridges, Culverts and Retaining Walls)  
Streetscape Enhancement  
Pedestrian & Bikeway Design  
Hydrologic and Hydraulic Analysis & Design  
Flood Studies  
Stormwater Management / Design  
Subsurface Utility Engineering  
Erosion & Sedimentation Control  
Site Plans / Design  
Athletic Field Design  
Local / State / Federal Permitting  
Environmental Permitting  
Water Diversion Permits  
Stormwater, Coastal and Marine Permits

### Construction Services:

Construction Phase Services  
Horizontal & Vertical Control Surveys  
Settlement & Structural Monitoring  
Construction Layout Services  
Volumetric Surveys (Pits & Stockpiles)  
Environmental Compliance Inspections

*Stadia Engineering Associates, Inc.* is committed to providing [Sustainable Low Impact Designs](#) using proper stormwater management, best management practices, and use of renewable resources/materials. We embrace the [Context Sensitive Solutions](#) design process.

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516 Vauxhall Street, Suite 103 - New London, Connecticut  
(860) 237-4773

We are committed to providing our clients with the highest [Quality, Professional Service](#) that is delivered in a [Timely](#) manner, meeting your strictest deadlines. We are a firm that provides a broad [Experienced](#) and [Professional](#) staff that can be your [Trusted](#) partner.

## Partial Client List

Indian River Recreation Complex, Clinton, CT  
Horace Greeley High School, Chappaqua, NY  
Bronxville High School, Bronxville, NY  
Holy Cross High School, Flushing, NY  
Horace Greeley High School, Chappaqua, NY  
West Haven High School, West Haven, CT  
Branford High School, Branford, CT  
New York Athletic Club, Phelam, NY  
Notre Dame High School, West Haven, CT  
Trumbull High School, Trumbull, CT  
Kent + Frost Landscape Architects, Mystic, CT  
Mohegan Sun Casino, Montville, CT  
Pleasant View LLC, Griswold, CT  
Delmac LLC, Griswold, CT  
Mohegan Hill Development, Montville, CT  
Central Connecticut State University, New Britain, CT

Greater Northern Development, Phoenix, AZ  
Mitchell College, New London, CT  
Mystic Seaport Museum, Stonington, CT  
University of New Haven, New Haven, CT  
Pleasant View Associates, LLC, Griswold, CT  
Route 164 LLC, Griswold, CT  
Foxwoods Resort Casino, Mashantucket, CT  
Hopkins School, New Haven, CT  
Griswold Schools, Griswold, CT  
Jewett City Main Street Master Plan, Griswold, CT  
Mansfield Parks & Recreation, Mansfield, CT  
Groton Parks & Recreation, Groton, CT  
Main Street Master Plan, Chester, CT  
Pratt & Whitney, East Hartford, CT  
University of Connecticut, Storrs, CT  
Landmark Architects, P.C., East Haven, CT  
Meriden Housing Authority, Meriden, CT



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## Land Surveying

The success of any project depends upon the ability to provide accurate survey information, whether preparing a boundary plan, creating the base information for design work, or staking a project for construction. Stadia Engineering Associates, Inc. provides a full range of surveying services to a wide variety of clients in both the public and private sectors. Our professional, friendly staff takes great personal pride in performing each survey project accurately and well above any established standards.

Stadia field crew personnel always includes a seasoned licensed Professional Surveyor that oversees every aspect of the field work. This insures the client and Stadia Engineers that any issues discovered in the field are reviewed and solved by a licensed professional.

Our licensed surveyors' combined forty-two years of professional experience have allowed Stadia Engineering Associates the ability to gain a wealth of knowledge from all types of projects – from the historic single-family residence survey to construction layout services in and around some of Southeastern Connecticut's largest resort facilities. We have field crews that are proficient in techniques for all types of land surveying projects, from simple height verifications to American Land Title Association (ALTA) Surveys.

We have personnel specially trained in Hazardous Waste Site Safety for projects where environmental issues are a concern.

Stadia Engineering Associates employs a wide variety of state of the art survey equipment and software to *provide an extensive range of modern land surveying services efficiently and accurately.*







## Professional Services

Construction Layout Services  
 Vibration & Movement Monitoring  
 Dam & Pond Restoration Surveys  
 Inland & Tidal Wetland Mapping  
 Monitoring Well Surveys  
 Historical Title Research & Mapping  
 Zoning Compliance Surveys  
 Route Surveys  
 Industrial Surveys  
 Photogrammetric Control  
 Environmental Hazard Surveys  
 Hydrographic and Flood Plains  
 FEMA Elevation Certificates  
 CADD Services  
 Legal Descriptions & Exhibits  
 Litigation Assistance  
 Expert Witness Services  
 Condominium Mapping / Documents

Condominium Mapping / Documents  
 ROW / Easement Mapping  
 Bathymetric Surveys  
 Volumetric Surveys  
 Curb Staking  
 Building Control Staking  
 Boundary Surveys  
 ALTA/ACSM Land Title Surveys  
 Existing Condition Surveys  
 Topographic Surveys  
 Horizontal & Vertical Control Surveys  
 Utility Surveys  
 Subdivision Plans  
 Property Line Adjustment Plans  
 GPS & Submeter Location Services  
 Environmental Mapping  
 Subsurface Infrastructure Surveys  
 Record Surveys (As-Built Survey)



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## Engineering Services

Stadia Engineering Associates, Inc's highly trained staff has extensive experience in all phases of civil / site engineering in support of land development and public works projects as well as associations with landscape architects to compliment our engineers with planning and enhancing the environment. We offer the full range of site planning and site/civil design services necessary to provide an integrated approach to solving challenging problems for complex sites. Our multidisciplinary staff is equipped to manage even the most complex projects efficiently from start to finish. We also provide coordination with local, state, and federal regulatory agencies and prepare the necessary documentation to satisfy regulatory requirements for project permitting ensuring that permitting is achieved as smoothly and swiftly as possible. Stadia Engineering Associates also supports the construction process with engineering oversight and project management.

Stadia Engineering Associates is committed to providing Sustainable Low Impact Designs through the use of proper stormwater management, best management practices, and use of renewable resources/materials. We embrace the Context Sensitive Solutions design process.

Our clients have included federal, state, county, and local governments, as well as architects, institutions, business and industry, private developers and residential landowners.



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## Professional Services

Highway & Roadway Design  
 Municipal Bridge Design  
 Streetscape Enhancement  
 Pedestrian & Bikeway Design  
 Hydrology Design  
 Flood Studies  
 Environmental Compliance Inspections  
 Stormwater Pollution Prevention Plans  
 Hydraulic Analysis  
 Stormwater Management & Design  
 Subsurface Utility Engineering  
 Erosion & Sedimentation Control  
 Commercial Site Design  
 Local / State / Federal Permitting  
 Environmental Permitting  
 Residential Site Design  
 Septic Design

Engineer of Record  
 Floodplain Permitting  
 FEMA Map Amendments  
 Coastal & Marine Permits  
 Retaining Wall Design  
 Culvert Design  
 Drainage Studies  
 Project & Construction Management  
 Market & Site Feasibility Studies  
 Greenway / Open Space Studies  
 Master Planning Studies  
 Hydraulic Modeling  
 Recreational Facility Design  
 Water Diversion Permits  
 Grading Design  
 Construction Administration



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## Construction Services

Construction is one of the largest industries in the country today; it accounts for more than \$800 billion annually – nearly 6% of the nation's gross national product. Stadia Engineering Associates, Inc. employs a multi-disciplinary team of professionals with a broad range of knowledge and experience to cover construction projects both large and small. The multifaceted characteristics of many construction projects require aspects of engineering, planning, and surveying services to see them through to the successful completion. Our team of experienced professionals can provide service at the project site, address regulatory issues as they arise, and prepare comprehensive solutions for some of today's most complex construction problems.

Surveying plays an extremely important role in any construction project. Construction surveying can take many different forms; from pre-construction activities such as providing project control & marking project limits to actual construction activities such as layout services and structural monitoring. Construction surveying is used to establish the location and alignment of highways, bridges, buildings, utilities, and other manufactured objects. After many projects are completed, a Record Survey (also known as an "As-built Survey") is typically performed to document the actual location of physical improvements and identify any modifications that were made during construction.

Additional services for construction may include preparation of environmental pollution control plans & permitting documents, review of erosion & sedimentation control measures, the design of temporary structures, cost estimating, engineering review, equipment selection, construction administration and cost control.





## Professional Services

Project & Construction Management  
 Horizontal & Vertical Control Surveys  
 GPS & Submeter Location Services  
 Environmental Mapping  
 Construction Administration  
 Topographic Surveys  
 Subsurface Infrastructure Surveys  
 Engineer of Record  
 Volumetric Surveys  
 Vibration & Movement Monitoring  
 Temporary Structure Design  
 Construction Layout Services  
 Mass Grading Staking  
 Road/Street/Parking Lot Staking  
 Stormwater Drainage Staking  
 Curb Staking  
 Building Control Staking

Sanitary Sewer Staking  
 Commercial / Residential Site Staking  
 Anchor Bolt and Steel Surveys  
 Environmental Hazard Surveys  
 Record Surveys (As-Built Survey)  
 Local / State / Federal Permitting  
 Zoning Compliance Surveys  
 Environmental Compliance Inspections  
 Stormwater Pollution Prevention Plans  
 Hydraulic Analysis  
 Stormwater Management  
 Subsurface Utility Engineering  
 Erosion & Sedimentation Control  
 Retaining Wall Design  
 Expert Witness Services  
 Litigation Services



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## Environmental Planning

Stadia Engineering Associates, Inc.'s highly trained staff has extensive experience in all phases of project planning that gives us the ability to identify critical natural resource issues early in the design process and our in-depth knowledge of regulatory programs and policies result in an expedited application and approval process. This expertise allows us to make significant contributions in developing sustainable sites with an emphasis on stormwater management, low impact landscapes and materials recycling. We use a multi-disciplinary team of engineers, planners and scientists to develop master plans that result in projects which balance all aspects of development aesthetically and functionally to fit the site while preserving harmony with the environment.

Our staff identifies a site's key attributes and in conjunction with its limitations, plans a development that can fit with all the applicable land use regulations. Stadia Engineering Associates personnel has expertise in preparing a variety of environmental permit applications required by federal, state, and local laws and reviewing projects to identify regulatory requirements. Whether meeting zoning regulations, interpreting land use regulations or value engineering complex sites, the staff of Stadia Engineering Associates understands the importance of thorough research and planning and have the technical skill and innovative thinking to address the needs of the client and the project providing the best possible solution.

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## Professional Services

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Master Planning & Site Analysis  
Residential / Commercial Developments  
Mixed Use Developments

Conceptual Design & Graphic Presentations  
Wetland Delineation / Mitigation  
Zone Changes / Open Space Planning  
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