

Small Business (SB)

SWaM Certification Number: 723564

Expiration Date: Apr 15, 2025

CAGE Code: 7TTX3

Unique Entity ID: JCFKNA7NAE41

NAICS CODES

541330 Engineering Services (Primary)

541620 Environmental Consulting Services

541690 Other Scientific & Technical Consulting Services

541990 All Other Professional, Scientific, and Technical Services

541320 Landscape Architectural Services

Capability Statement

Blossom Consulting and Engineering Inc. (BCE) is a SBA certified small business and a Virginia-certified small business (SWaM) specializing in civil, environmental, and water resource engineering for **private, state, and federal** projects. BCE's expertise includes civil site design, watershed planning, floodplain and stormwater management, stream restoration, shoreline stabilization, dam safety, environmental mitigation, and infrastructure design.

Experience: 20+ yrs. experience providing construction documents in the Mid Atlantic Region and Caribbean.

Interest: Engineering Water Resources to increase Function, National Security and Community Safety.

Capability:

- Architect-Engineering (AE) services, design services, production of detailed plans and specifications.
- Planning, Engineering, Design, and technical services during construction and installation.

MID-ATLANTIC COAST UNITED STATES

VIRGINIA
NORTH CAROLINA

US VIRGIN ISLANDS

Engineering Land and Water Resources for the Future

Market Services

Site Development, Civil Works & Military Program Support

USACE Savannah District: Comprehensive Watershed Assessment and Concept Design | Fort Liberty, NC

- Infrastructure Assessments
- GIS Inventory
- Modelling
- Concept Design
- Watershed Evaluations

USACE Wilmington District: SOF STS Training Center Operations Facilities | Fort Liberty, NC

- Site Grading
- Stormwater BMP Design
- Water Resource Engineering
- Flood Damage Reduction

Shoreline & Stream Bank Erosion Protection

NAVFAC Washington: Naval Weapons Support Facility Multiphase Shoreline Erosion Control | Dahlgren, VA

- Environmental Permit Support
- Construction Coordination
- Beach Nourishment

U.S. Department of Defense (DoD): Colonial Road Breakwater Design | Williamsburg, VA

- Coastal Protection
- Utility Infrastructure Improvement
- Living Shoreline & Breakwater Design

Infrastructure & Civil Site Design , Construction Documents & Specifications

Child Development Resources (CDR): Redevelopment Plan | York County, VA

- Site Plan Preparation
- Stormwater Management
- Utility Design
- Cost Estimates

HUD: Virgin Islands Housing Authority (VIHA) | St. Thomas, US Virgin Islands

- Civil Site Design
- Grading
- Earthworks Calculations
- Construction Coordination

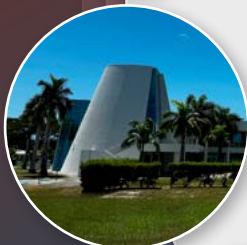
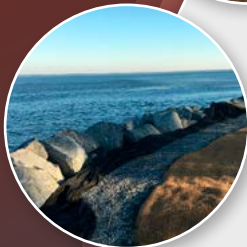
Storm Water Management, Sustainment, Restoration & Maintenance

Dominion Energy: Statewide Master Service Agreement | Virginia, North Carolina

- Utility Design
- Erosion & Sediment Control
- Storm Water Management
- Floodplain Study

James City County: Annual Engineering Services Environmental Prime | Williamsburg, VA

- Stream Restoration
- BMP Repair
- Construction Document Preparation
- Environmental Permitting



Core Services



Site, Stormwater & Infrastructure Design

Chesapeake Bay TMDL Compliance Strategies
Storm Water Management
Civil Site Design
BMP and Green Infrastructure Design
Virginia Runoff Reduction and Energy Balance Methodology



Construction Coordination

Site Inspections and Community Meetings
Contractor Coordination, Design-Build
Cost Estimating and Value Engineering Studies
Bid Support and RFI Response
Post Construction Monitoring & Reporting



River, Stream & Wetland Restoration

Rural and Urban Stream Assessments
River, Channel and Stream Restoration
Natural Channel Design
Bank Stabilization
Environmental and Eco-system Habitat Restoration
Coastal Protection and Beach Nourishment



Floodplain Management

Floodplain Modelling and Analysis
Floodplain Mitigation Design
Letters of Map Amendment (LOMA)
Letters of Map Revision (LOMR)
Flood Damage Reduction, Dams, levees, reservoirs



Watershed Analysis

Watershed Assessment
Hydrologic Modeling
Land Use Strategies, Rainwater Harvesting Design
Nutrient Banking and Ecosystem Service Evaluations
Mitigation Feasibility and Resilient Design



LEED & Envision Consulting

LEED Credit Assessment and Documentation
Technical LEED Credit Review
High Performance Team Development
Green Building Course Instruction
Sustainable Sites and Evaluations
Energy Star Certifications
Integrated Hydraulic and Ecosystem Function Analysis

Mission Partners



Our Experienced Team is Ready to Design with You



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500+

Miles of transmission line planned & designed



1,000+

Square miles of watershed & streams assessed



LEED Reviews performed in

20 22 5

U.S. States Countries Continents



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