

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.

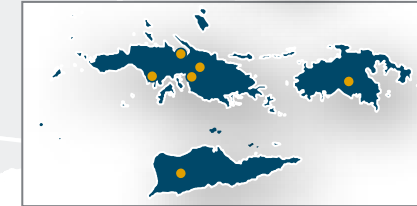
**Capability:**

- 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**

Department of Conservation & Recreation (DCR): Dam Safety Support | Statewide VA

- Dam Breach Study
- Hazard Classification
- Emergency Planning

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

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

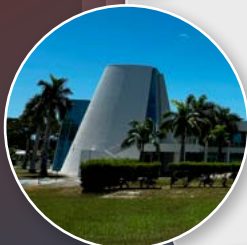
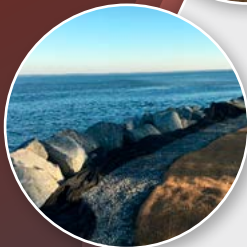
**Storm Water Management, Sustainment, Restoration & Maintenance**

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

## 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

## Mission Partners

