

Daniel Lovette

Senior Civil Engineer

A Senior Civil Engineer with comprehensive experience in land development, stormwater management facilities, erosion and sediment control, grading, and water and sewer design.

Possesses a knowledge of standard methods and accepted industry practices used in the construction of buildings and industrial facilities, and adheres to industry guidelines including engineering regulations, technical publications, federal regulations, established procedures and policy statements, terms of the contracts. Experienced in the principles of transportation and traffic management, design concepts for underground utilities, water supply systems, and Maryland Department of Environment regulations and stormwater. Experienced designing federal projects to meet Anti-Terrorism Force Protection (ATFP) requirements.

Designed, developed and reviewed civil and environmental engineering projects including, stormwater management (SWM), utility design, permit approvals, project schedules, sediment and erosion control (SEC), construction requirements, feasibility studies, and budget estimates. As project engineer, considered master planning, budgeting, public safety, efficiency, local government regulations, and aesthetics. Managed civil design and teamed with architects, mechanical engineers, landscape architects, general contractors, electrical engineers, and local government officials during construction and preliminary design phases.

USACE Civil Works Branch

Title: Lead Project Engineer

Location: Baltimore, MD

Employment: April 2019 – Present

Responsible for the design development, revision and review of civil engineering for the following Projects

Lead Civil Engineer Northern Virginia Flood Feasibility Study, Northern VA

Lead Civil Engineer for 17 Levee Systems in the NY, PA, VA, WV, and DC

Lead Civil Engineer Joint Base Anacostia Bolling Levee/Floodwall Project

Lead Civil Engineer Ft. Belvoir Stream Restoration Outfall 2 thru 5

Lead Civil Engineer Ft. Belvoir Stream Restoration Outfall 15

Company: Mercado Consultants, Inc.

Title: Lead Civil Engineer

Location: Ashton, Maryland

Employment: September 2016 - 2019

Civil engineer on numerous contracts for the Maryland State Highway Administration, Washington Suburban Sanitary Commission, and county governments. Provided SWM, SEC, and water and sewer infrastructure design services. Coordinated with associated internal departments as well as clients and review offices to ensure comprehensive, timely and budget conscious deliverables were produced.

Notable Projects

MD 413 Bike Trail, Somerset County, MD, MSHA: Project Engineer for the design of SD culverts, SWM and SEC for proposed Bike Trail along MD 413. Permit approval from Somerset County Department of Public Works and MSHA.

Education

Bachelor of Science, Civil and Environmental Engineering
1992-1996, Tennessee Tech University, Cookeville, TN
Minors: Math and English
1989-1992, Air Force Academy, Colorado Springs, CO

Certification

Engineer-In-Training #17013,
State of Tennessee

Technical Specialties

Hydraulic & Hydrologic Modeling, Stormwater Management, Water Resources Management, Erosion & Sediment Control

Overall Experience

20 Years

Security Clearance

Secret – DOD 2010-2013

Top Secret 1990-1992

Computer Software

Microstation V8i, AutoCad Civil 3D, Arcmap 10.7, StormCad, HEC-RAS, HEC-HMS, HEC-2, HEC-1, SpecsIntact, Microsoft Office: Word, Excel, PowerPoint, Project

District 5 ADA Improvements at MD 178, Anne Arundel, MD, MSHA: Project Engineer for the design of sidewalk and handicap ramps. Tasks included providing SWM and SEC design and obtaining an approval permit from PRD.

District 3 ADA Sites, Montgomery County, MD, MSHA: Project Engineer for the design of sidewalk and handicap ramps at three sites on MD 97, MD 410 and MD 27. Tasks for each site included providing SWM and SEC design and obtaining an approval permit from PRD.

MD 224 over Potomac River Branch, Charles County, MD, MSHA: Project Engineer for the design of sidewalk and handicap ramps. Tasks included providing SEC design and obtaining an approval permit from PRD.

MD 295 SB from Hanover Rd to Winterson Rd, Anne Arundel County, MD, MSHA: Project Engineer for the design of 295 Road improvement. Tasks included providing SWM and SEC design and obtaining an approval permit from PRD.

US 340 Road Improvements, Frederick County, MD, MSHA: Project Engineer for the US 340 Road Improvement Project. Tasks included providing SWM and SEC design and obtaining an approval permit from PRD and performing SEC Construction Services.

Ager Road Improvements, Prince George's County, MD, Prince George's County Government: Project Engineer for the Ager Road Improvement Project. Tasks included providing SEC design and obtaining an approval permit from PGSCD.

Company: Stantec

Title: Lead Civil Engineer

Location: Laurel, Maryland

Employment: November 2000 - July 2013

Served as a Project Engineer (set in an office environment) for all 12+ years with Stantec. Responsible for the design development and review of civil engineering for several key military and major Non-Appropriated Fund (NAF) construction programs (listed below). The work includes analysis of programs and construction requirements, feasibility studies, and budget estimates. Projects involve consideration of cost, public safety, efficiency, local government requirements, and environment. Managed civil design and coordinated with other teaming partners to include architects, mechanical engineers, plumbers, general contractors, electrical engineers, and other local government agencies.

Chosen by the company's most Senior Project Manager and Engineer to team on the company's largest/high-profile contracts. Received general direction and led the team to complete projects within budget and on schedule. Reviewed and evaluated staff progress, ensured quality assurance, recommended field and office engineering changes for consistency with contractual provisions, specifications and cost estimates. When problems arose, recommended course of action based on knowledge and experience of the contracts and engineering standards. Took pride in completing work in terms of effectiveness and achieved results, technical judgment and professional competence. Worked well independently and in the team environment.

Served as the liaison and facilitated communication between various entities such as senior management, engineers, contractors, U.S. Army Corps of Engineers, GSA, NAVFAC, and clients to ensure work is completed efficiently. Resolved problems of design, modifications, and supplemental agreements. Fielded client calls and questions after duty-hours as needed by the project to maintain effective working relationships and excellent customer service.

Primary contact for customer questions regarding schedules, deliverables, and issues that arise in the field. Provided technical advice and guidance to engineers on required changes after construction site visits. When problems arose on the field, utilized observations made from periodic visits to project sites, worked within the regulations to determine the best solutions to address problems in the field and made specification and drawing improvements. Periodically, the improvements were not necessarily clear cut at the time, so had to research to determine best solutions. Ensured changes to design were made quickly to adhere to construction schedules while still ensuring quality control.

Represented Stantec in high level meetings with Architects, engineers, technicians, inspectors, general contractors, field representatives, public works representatives, and support staff. Maintained professional contacts and effective working relationships with skilled oral and written communication. Responsible for reviewing Architectural, Mechanical, Electrical, and Landscaping Plans so they coordinate with the Civil Plans. Consistently kept Project Manager and customers informed of progress.

Managed the scope of the project and mediated/ negotiated customer requirements if they were beyond the scope of the contract. Provided feedback to the Project Manager on budget projections. Evaluated man-hour projection, civil design solutions, assisted in budget projections, and ensure staff resources.

Served as the senior engineer on a given project. Trained and mentored designers and engineers that were new either to the company or to the team on basic civil engineering procedures on all areas of land development projects. Provided technical expertise to all phases of the civil engineering tasks. Ensured the team members were adhering to current Standard Operating Procedures. Planned and coordinated work of the junior level team members. Set priorities and schedules based on critical path and availability of resources. Ensured assigned projects are performing the contract work to the required quality and on schedule.

Performed (QA/QC) quality assurance and quality control and technical review on all deliverables that left the building to the customer to include design drawings, design analysis, and specifications. Ensured performance of the Stantec products met or exceed projects specifications and contract requirements.

Ensured civil design plans were developed to meet all necessary Federal, State, Local, and On-Post Dept. of Public Works (DPW) design regulations, standards and specifications. Worked with Local, State and Federal government agencies to ensure proper permits were obtained.

Coordinated with multiple entities and obtained jurisdictional determination from the U.S. Army Corps of Engineers and prepared /obtained wetland permit for impacts to wetlands and streams related to the campus redevelopment project to consolidate Department of Homeland Security Headquarters and Coast Guard.

Provided Environmental Site Inspections and remediation solutions based on Federal, State, and local guidelines and regulations.

Ensured that as-built drawings were kept up to date. Prepared and processed constructions documents. Coordinated with internal and external divisions to ensure submittals were delivered on schedule and within budget.

Wrote civil construction specifications for Military "Design Build" and "Design/Bid Build" Projects in SpecIntact Format. Reviewed plans and specifications during final design and bidding phase. Took into consideration existing field conditions, safety considerations, and environmental impacts. Prepared comments for possible changes to plans and specifications.

Wrote proposals for Civil Construction Services, Master planning, Site analysis, Infrastructure design and analysis. Prepared reports and fact sheet summaries with each submittal to the customers. Wrote responses to technical questions through RFI's.

Reviewed and Approved Shop Drawings and RFIs submitted by contractors on Design/Build Projects. Designed experience includes planning, landscaping, site grading, site layout, road design, stormwater management, sediment and erosion control, water (potable water distribution systems), sewer, and stormwater Management.

Prepared and reviewed civil design plans for MC and NAF construction project before submitting to USACOE, GSA, NAVFAC and other Federal, State and Local agencies. Reviewed and provided analysis of construction plans and specifications, quality control and assurance inspection.

Knowledge of standard methods and accepted industry practices used in construction of buildings and industrial facilities. Adhered to industry guidelines including engineering regulations, technical publications, Federal Regulations, established procedures and policy statements, terms of the contracts. Mastered knowledge of principles of transportation and traffic management, design concepts for underground utilities, water supply systems, and MD Dept. of Environment regulations. Designed Federal Projects to meet Anti-Terrorism Force Protection (ATFP) requirements.

Major Projects

USACOE - 2100 Unit Design/Build Multi-living Military Housing Project, Ft. Belvoir, VA -\$3.2M

USACOE - 900 Unit Design/Build Multi-living Military Housing Project, San Diego, CA -\$1.2M

USACOE - National Geospatial-Intelligence Agency Roads, Bridge, Access Control Points, Parking Lot design and analysis, Traffic Master Planning, Management and Improvements, Temporary Electric analysis, Stock Pile design and planning analysis, Ft. Belvoir, VA – \$2.5M

Architects of the Capital – 250,000 Gallon Tank Removal Arlington, VA – 25K
GSA - St. Elizabeth's Firth Sterling Intersection Improvement Project - 800K
USACOE - Missile Defense Agency Headquarters Building, Ft. Belvoir, VA – 375K
NAVFAC - JADOC Joint Air Defense Operations Center Bolling AFB, DC – 339K
USACOE - CSSG Cyber Training Bldg. – 125K
USACOE - McGuire Air Force Base Hobby Building Renovation and Site Improvement – 15K
USACOE - Secret Service Cyber Training Facility USGA, MD – 112K
USACOE - SNCO Academic Facility at Marine Corps Base Quantico, VA – 86K
Private - Laurel Racetrack FEMA CLOMR and Flood Analysis
NAVFAC - SNCO Academic Bldg. Quantico, VA – 86K
USACOE - Camp Stanley Ammunition Surveillance – 125K
NAVFAC - Willow Grove NAS Air Force Reserve, Horsham Township, PA – 17K
USACOE - Dover Air Force Base Maintenance Building, Dover, DE – 55K
Private - State Route 3 Road Improvements, Annapolis, MD - 125K
GSA - White Oak Building Demolition, Parking Lot Master Planning, Design and Analysis, and Ericsson Road Design, Silver Spring, MD – 193K

Company: PT&B Engineering

Title: Project Civil Engineer

Location: Lithia Springs, GA

Employment: August 1999 – November 2000

Designed sediment and erosion control plans, waste water design plans, construction plans, water (potable water distribution) plans, and storm water management plans. Developed project site plans in an office environment

Company: Jordan Jones & Goulding

Title: Project Civil Engineer

Location: Atlanta, GA

Employment: April 1998 – August 1999

Hours: Full-time 40 hours per week

Designed sediment and erosion control plans, grading, lake renovation, road design, water, and waste water distribution plans for primarily residential and commercial development in an office environment.

Company: Barge Wagner, Sumner, and Cannon

Title: Project Civil Engineer

Location: Nashville, TN

Employment: March 1997- April 1998

Designed sediment and erosion control plans, grading, water, storm, and waste water plans for primarily commercial/retail development set in an office environment.