



Civil & Environmental Consultants, Inc.

# Civil Engineering & Site Development

**CEC provides civil engineering and site development consulting services to assist with the development of cost-effective designs to meet regulatory and client requirements.**

CEC has extensive experience preparing regulatory permits and managing the design, approval, and on-site construction processes associated with the site development of multi-building campuses, commercial, industrial and retail developments, institutional and educational facilities, and residential developments. CEC has developed a reputation for developing high-quality, sustainable and “buildable” design solutions within construction budgets.

## PREDEVELOPMENT SITE INVESTIGATIONS

CEC provides predevelopment investigation services to evaluate sites for specific uses, addressing site layout, zoning adherence for parking and setbacks, site access, wetlands and other environmental considerations, geotechnical concerns, grading/earthwork, and utility availability and capacity.

## CIVIL DESIGN AND PERMITTING

CEC has extensive design experience and a proven track record of successfully obtaining local, state, and federal erosion and sedimentation control (E&S) permits and/or regulatory approvals and has a working knowledge of the various state and federal E&S and National Pollutant Discharge Elimination System (NPDES) regulations and requirements. Civil design and permitting services include:

- Site Grading/Earthwork Analysis
- Erosion and Sedimentation Control/NPDES Permitting
- Stormwater Management/Water Quality Design
- Utility Design/Coordination
- Roadway Design and DOT Permitting
- Sustainability Planning and Design

## LANDSCAPE ARCHITECTURE AND PLANNING

CEC provides a diverse range of landscape architecture design services for site and land development, master development planning, feasibility studies, landscape design, green infrastructure and irrigation. CEC is recognized for leadership in applying sustainable design, green infrastructure and low-impact design solutions. CEC’s services include the preparation of graphic renderings, photo manipulation services and 3-D modeling visualizations.

## GEOTECHNICAL ENGINEERING

CEC provides geotechnical engineering services to determine foundation and retaining wall design parameters, develop site grading requirements, design pavements, and investigate slope stability, mine subsidence, landslides, and foundation failures.

## CONSTRUCTION SERVICES

CEC routinely monitors the construction of earthmoving operations, the installation of erosion control measures and building construction. CEC provides certified technicians for testing of soils, concrete, masonry, steel and fireproofing. Technicians are certified to meet International Building Code (IBC) Special Inspection requirements and provide construction quality assurance and construction management services for a wide range of civil, geotechnical, environmental and waste management projects.





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## SITE INFRASTRUCTURE MAINTENANCE AND REHABILITATION SERVICES

CEC engineers, construction managers and field superintendents perform infrastructure assessments, develop recommendations to correct concerns, and deliver cost-effective repair, rehabilitation and maintenance services for site infrastructure, including stormwater facilities, site utilities, landscaping, parking lots and pavement.

CEC inspects, monitors, maintains, restores, repairs and improves property infrastructure. The need for such services can arise from damage, age, poor maintenance of systems, and/or changing regulatory requirements.

