

Stormwater Infrastructure Maintenance Services

CEC engineers, construction managers and field superintendents perform stormwater assessment evaluations and provide recommendations while delivering cost-effective repairs, rehabilitation and maintenance of stormwater management facilities.

CEC inspects and maintains stormwater facilities to ensure stormwater infrastructure is functioning per design and regulatory permitting requirements. Properly functioning and maintained stormwater management facilities result in improved water quality, reduced stormwater runoff, and reduced nonpoint source pollution to surface waters (rivers, streams, ponds, lakes, etc.) within our communities. Poorly maintained facilities decrease efficiency and pollutant removal rates, and create environmental hazards such as flooding, sink holes and surface water contamination.

Local or state regulations often determine the responsible party for stormwater management maintenance and inspections.

CEC engineers and construction personnel are experienced with the design and functionality of the various types of stormwater best management practices (BMPs) used for controlling, treating and conveying stormwater runoff. These professionals assist in evaluating stormwater systems while providing an effective monitoring and maintenance program to extend facility life.

SPECIAL TRAINING AND SUPPORT SERVICES

CEC stormwater professionals have special training and certifications for evaluating and maintaining stormwater facilities and BMPs that include:

- Certified OSHA confined space entry (29CFR1910.146)
- Certified Professionals in Stormwater Quality (CPSWQ)
- Certified Professionals in Erosion and Sedimentation Control (CPESC)

STORMWATER INFRASTRUCTURE MAINTENANCE SERVICES

- Inspection and maintenance of stormwater facilities
- Wet or dry detention basins
- Underground detention facilities
- Basin design volumes verification
- Bioretention areas
- Infiltration basins
- Constructed wetlands
- Pervious pavement
- Level spreaders
- BMP control structures / outlets
- BMP filter media
- Site monitoring plan — assessment and maintenance checklist, photographs, and water quality reporting
- Inspection and maintenance of water quality filters, hydrodynamic separator devices, catch basins, and manholes
- Video camera inspections of stormwater conveyance systems
- Inspection of large diameter piping to evaluate integrity and assess damage
- Erosion protection and repair measures
- Sediment and debris removal

