



# Civil / Industrial Engineering



BHE’s civil engineering and industrial design competencies bring about solutions to complex facility development and infrastructure challenges. Experience includes projects in the government and private sectors involving stormwater management, site and utilities improvements, property redevelopment, wastewater collection and treatment, alternative energy, environmental remediation, and ecological restoration. Our team of engineers and scientists uses their experience and expertise to work with each client to set objectives and achieve the best and most economically feasible design solutions, from concept to completion.

Once a project’s objectives have been set, the engineering process typically begins with a review of site conditions and regulatory requirements. This is followed by a technical evaluation of potentially applicable design solutions and technologies. These evaluations are often coupled with an economic feasibility study of the project. Based on these fundamental technical and economic evaluations, we then prepare general design and construction documents.

BHE can also prepare applications and secure the necessary approvals for uninterrupted completion of your planned project. We have experience with EPA permits for sanitary sewers and treatment systems (POTW) and discharges to surface waters (NPDES), floodplain development permits, and civil/site plan approvals.

## SERVICES INCLUDE:

- + Land Planning
- + Municipal and Industrial Wastewater Treatment Design
- + Civil/Site Design
- + Hydrology and Hydraulic Analyses
- + Stormwater Modeling
- + Geo-Systems and GIS Integration
- + SWP3
- + Sustainable Design
- + Alternative Energy Systems Design
- + Construction Management and Oversight
- + Permit Submittals
- + Technical and Economic Feasibility Studies
- + Civil/Industrial Utilities Design

## DEFINING ENVIRONMENTAL SOLUTIONS

*BHE is an environmental and engineering consulting firm serving private-sector and government clients nationwide. For over 23 years, BHE has delivered unsurpassed quality, integrity, and client stewardship in the following disciplines: Engineering, Site Assessment, Land-use Planning, Cultural and Natural Resources Management, Permitting, Industrial Hygiene & Safety, and Geomatics.*