Improving Communities Through Local Knowledge

Our engineers work with communities to develop stormwater programs that are compliant with ever-changing regulations, yet also address local needs and concerns. We prepare cost-effective stormwater management and pollution prevention plans and assist communities with inventory and assessing storm drainage systems using GIS. We have collaborated with local and state agencies to develop standards and manuals for best management practices and low impact development design. We are a local, yet nationally recognized, water resources firm with expertise in stormwater planning and design, floodplain management, storm drainage hydrology and hydraulics, environmental permitting and mitigation, and stormwater infrastructure design.

Stormwater Management Design

For more than 20 years, we have completed engineering investigations, planning and feasibility studies, design work, and preparation of contract documents, bidding, and construction management/inspection services for engineering and surveying projects. We have designed stormwater management features for flood control, including regional detention and retention ponds, and underground storage. We have also designed water quality facilities such as micro-bioretention, bioswales, and submerged gravel wetlands. Our designs are not solely focused on providing the necessary water quality, but also on integrating the facilities into their surroundings while keeping construction and maintenance costs in mind.

Retrofit Design

For both public and private clients, we have modified existing facilities to provide treatment for existing and proposed development, as well as provided new treatment for untreated impervious. We have worked with existing infrastructure to provide water quality treatment for pollutant removal. Our engineers are familiar with local and state regulations allowing us to provide right-sized solutions and manpower resources on time and under budget.

NPDES Support

We support municipal clients with their Phase I and Phase II NPDES MS4 programs. Cecil County, Maryland, received $2 million in grant funding for restoration implementation as a result of our watershed assessments and feasibility concepts. We have assisted clients with evaluating open-section roadways in GIS to identify grass swales which may be providing water quality treatment in existing conditions. We have a substantial history of providing turnkey services to support our clients’ NPDES permit compliance programs.

Alternative Delivery

We are a leading professional services firm with a proven history of providing alternative delivery solutions to our core clients for more than fifteen years. We are client focused from procurement all the way through project closeout. Using this approach, we have successfully delivered more than 75 projects worth $9 billion.

“Dewberry tackled and met each challenge with unwavering focus and attention. Their Project Managers and staff engineers listen to what our project goals are and complete them. While on-site they maintain their professionalism in representing not only Dewberry but also the Town of Darien.”

R. Steeger, Director of Public Works, Town of Darien, Connecticut

Areas of Expertise

- SWM facility design and retrofits
- Environmental site design/green infrastructure
- TMDL compliance
- NPDES permitting and compliance
- Geomorphic assessments
- Stream restoration design
- Storm drain design
- Dam safety and breach analysis
- Drainage structures inspection
- Hydrologic and hydraulic analyses
- Bridge and culvert replacement studies
- Watershed analysis and management
- As-built plans and surveys
- Community revitalization
- Erosion and sediment control
- Environmental studies and permitting
- Grant funding support
- Facility maintenance inspection

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