

Water Resources



Sherman Hospital Geothermal Lake, Elgin, IL

GHA's water resources services include:

- Location Drainage Studies and Drainage Investigations
- Hydrologic and Hydraulic Studies
- Base Flood Elevation (BFE) Determinations
- FEMA Letters of Map Revision and Elevation Certificates
- Storm Water and Floodplain Ordinance Development and Enforcement
- Storm Sewer Maintenance and Rehabilitation
- Streambank Restoration
- Storm Water Conveyance and Detention Design
- Rain Garden Design
- Permeable Pavement Design
- Best Management Practices Design
- Storm Water Pollution Prevention Plan Preparation & Review
- Storm Water Management Program Preparation
- Compliance Monitoring
- Municipal Separate Storm Sewer System Compliance
- Sustainable Design

For nearly every project, the competing concerns of site drainage, offsite impacts, and preservation of water quality must all be addressed in compliance with overlapping and sometimes conflicting federal, state and local regulations.

Gewalt Hamilton Associates, Inc. staff are thoroughly familiar with the requirements of the various Chicago-area county storm water ordinances, and regularly prepare documentation and permit submittals meeting the requirements of the IEPA, the US Army Corps of Engineers, the Metropolitan Water Reclamation District of Greater Chicago, FEMA, local drainage districts and other jurisdictional agencies.

Our engineering staff combines design expertise with thorough regulatory understanding to provide our clients with superior water resources solutions. Our strategies combine proven storm water management approaches with innovative naturalized systems to both reduce storm water runoff volume and enhance downstream water quality.

