

Levees and Flood Damage Reduction

Gannett Fleming recognizes the critical nature that levees play to protect our nation's population and infrastructure. Our firm has been involved with levee projects throughout the U.S. We have prepared designs, plans, specifications, and cost estimates for new projects and performed inspections and evaluations of existing flood damage reduction. We have also provided construction oversight services to ensure quality construction in accordance with design documents.

Levee engineering is one of Gannett Fleming's areas of expertise. We evaluate levee systems for compliance with the requirements of the National Flood Insurance Program and other governing agencies.

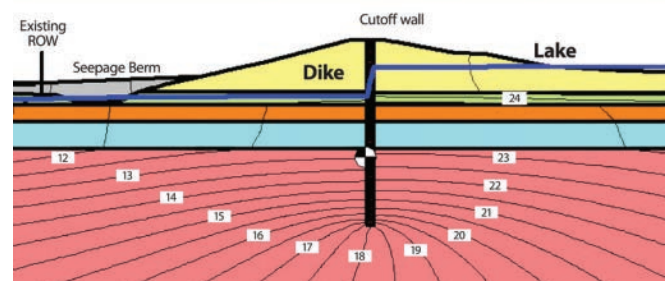
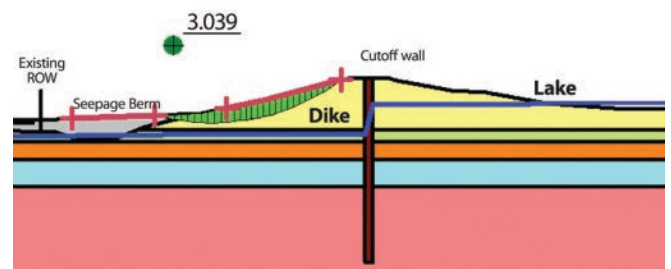
Specialty Service Areas

- Levee and dike inspection, evaluation, and rehabilitation
- Closure structure inspection, assessment, and design
- Levee and earth structure design
- Slope stability and seepage analysis
- Emergency action and warning plans
- Pump station inspection, evaluation, and design
- Hydrologic and hydraulic analysis
- Stormwater management and interior drainage evaluation, and design
- Flood insurance studies and mapping
- Flood wall inspection, evaluation, and design
- Flood mitigation and inundation mapping
- Flood risk mitigation and safety management
- Geophysical investigations
- Subsurface drilling and investigation
- Soils laboratory testing

Danville Levee, Pa.



- Geographic Information Systems (GIS) technology
- Flood damage survey
- Environmental permitting
- Dam evaluation and renovation
- Watershed management and planning
- Construction management



Slope stability and seepage analysis
Herbert Hoover Dike, Fla.

Representative Projects

- Allison Street Flood Protection, Hyattsville, Md.
- West Side Mahoning Creek – Danville Levee, Montour County, Pa.
- Glenside Flood Protection Project, Glenside, Pa.
- Flood Protection Project, Westmoreland County, Pa.
- Herbert Hoover Dike Rehabilitation and Repair at Lake Okeechobee, Palm Beach County, Fla.
- Levee System for West of Algiers Canal and Inner Harbor Navigation Canal, New Orleans, La.
- Pine Creek Levee, Allegheny County, Pa.
- Levee Investigation at Mullica Hill Pond Dam, Gloucester County, N.J.
- Embankment Erosion Protection Evaluation – Fellsmere Water Management Area, Indian River County, Fla.
- Moss Bluff Lock Rehabilitation Evaluation, Fla.
- Geotechnical Inspections and Evaluations of Levees, South Platte and Missouri River Basin, various locations



“Patriotic Civilian Service Award” was presented to our firm by the Department of the Army for commitment to the Interagency Performance Evaluation Task Force (IPET) following the aftermath of Hurricane Katrina, La.

Agency Experience

Our agency experience designing flood damage reduction, levee, dam, and stream improvement projects includes working with and satisfying the requirements of several regulatory agencies. This list includes:

- U.S. Fish and Wildlife Service
- Natural Resources Conservation Service
- U.S. Environmental Protection Agency
- U.S. Army Corps of Engineers
- Federal Emergency Management Agency
- Pennsylvania Department of Environmental Protection.



Stoplog closure structure, Corderus Creek, York, Pa.

800.233.1055

www.gannettfleming.com

**ISO 9001:2008
CERTIFIED**

For more information on Gannett Fleming’s Levees and Flood Damage Reduction Structures, please contact:

Cari R. Beenenga, P.E.
717.763.7211 x2698
cbeenenga@gfnet.com

Paul G. Schweiger, P.E.
717.763.7211 x2504
pschweiger@gfnet.com



Offices Worldwide



00212-0116