

AGRICULTURAL DRAINAGE

Our drainage experts listen to landowners' concerns to ensure our design provides the capacity necessary for modern agricultural production. Time, settlement, tile size, sediment, and modern farming practices necessitate change. Our drainage engineers work hard to protect your interests by evaluating facilities, repairing drainage systems, designing drainage improvements, and establishing new drainage systems.

Our involvement in drainage projects extends from standard repairs to complex, multi-jurisdictional projects with political, environmental, funding, and wetland considerations. We provide a full range of design, wetland delineation, construction, water quality, and watershed analysis services.

NRCS Wetland Determination

The Natural Resources Conservation Service (NRCS) currently determines whether agricultural areas are wetlands, farmed wetlands, or open to general agricultural practices. Drainage improvements near a designated wetland or farmed wetland can be assumed to convert the wetland, unless evidence to the contrary is provided. Conversion of these protected areas have been known to put a landowner's Farm Program benefits at risk. Our drainage experts assist landowners in appealing the NRCS determinations relative to wetland conversions. In addition, Bolton & Menk has decades of experience with the U.S. Army Corps of Engineers permitting process and can assist individual landowners or entire drainage districts in navigating the permitting process.

Classification/Reclassification

Bolton & Menk identifies benefits throughout a district. We help locate areas served by the drainage district but not contributing to the maintenance of district facilities. Through annexation of land and reclassification of the district, we work to ensure fair distribution of district assessments. District drainage assessments for construction and maintenance schedules should be shared by all beneficiaries. Old or incomplete schedules are often inequitable.

Watchman Services

Watchman services provide efficient management of a drainage district. When a landowner reports problems, we visit the site, develop a cost estimate, and coordinate with supervisors and landowners.

Brush Management Programs

Heavy vegetation can prevent water from properly draining. Eliminating trees and brush when they are young can save the district hundreds of thousands of dollars.

GIS Integration

We understand the importance of drainage mapping. Knowing what you have and where it's located is one of our fundamental services. We accurately locate facilities and produce maps for you when you need them.

Other Agricultural Drainage Services

- Drainage Repairs & Improvements
- Stormwater Management Planning
- Surface & Subsurface Systems Design
- NRCS Wetland Determination
- Permitting Assistance/Application
- Construction Administration
- Classification/Reclassification
- Watchman Services
- Public Facilitation
- Storm Drainage Utility Systems Development
- Stormwater Monitoring & Treatment
- Hydrologic Analysis/Hydraulic Design
- Wetland Delineation, Restoration, & Mitigation
- Drainage & Floodplain Surveys
- Integrated Drainage Improvements
- Nutrients Removal Wetlands

