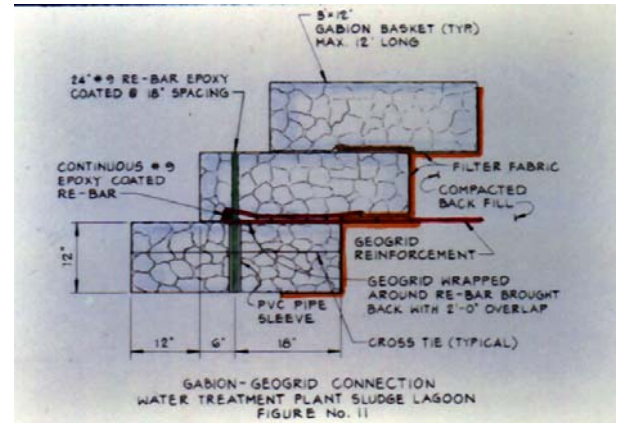




An aerial view (above) during the expansion project. Upper right: a drawing of the gabion geogrid connection, and at right is the completed retaining wall.



Lake Gaillard Water Treatment Plant

Brandford, CT

Mueser Rutledge Consulting Engineers (MRCE) served as the geotechnical and foundation engineer for the expansion of the Lake Gaillard Water Treatment Plant. MRCE's services included design of approximately 1500 lineal feet of geogrid reinforced, gabion faced retaining walls up to 40 feet in height for support of fills and confining dikes for sludge dewatering ponds. The design included a subsurface drainage system to reduce the destabilizing effects of seepage of groundwater and seepage losses from the treatment ponds. The firm performed necessary subsurface investigations, soil testing, stability and design analyses, prepared plans and specifications, and provided consultation during construction.