

Wetlands

Wetlands serve an important function in the environment including filtering and storing water and providing habitat for unique types of plant and animal species. HLR provides wetland screenings to determine if potential wetlands exist on your property. HLR also conducts formal wetland delineations to determine exact boundaries and can help you to design your project to avoid wetland areas. If avoidance is not possible, HLR will obtain the necessary wetland permits from the County and/or U.S. Army Corps of Engineers. HLR has the experience and agency relationships to facilitate the wetland permitting process.



Ecological Studies

Some projects require ecological studies. These studies may include tree surveys or threatened and endangered species surveys. HLR can coordinate with the Illinois Department of Natural Resources and U.S. Fish and Wildlife Services and conduct required plant or animal surveys.

Stormwater Sustainable Design and Permitting

Stormwater Best Management Practices (BMPs) incorporating sustainable design is occurring nationwide. HLR can help you to design stormwater detention incorporating sustainable solutions includ-

ing bioswales, permeable pavement, permeable pavers, and rain gardens to better manage storm water in your community or for your business. For sites disturbing greater than one acre, HLR can obtain the necessary National Pollutant Discharge Elimination System (NPDES) permit which includes the preparation of a Storm Water Pollution Prevention Plan (SWPPP).

Wetlands Maintenance

HLR can maintain and restore your wetland areas. Our staff can identify invasive species and recommend the most effective ways for control and eradication. Maintenance measures can include mowing, cutting, herbiciding, and prescribed burning. HLR has a department of licensed herbicide applicators and can coordinate effective and economical controlled burns for your site.



Environmental Inventory

HLR has the capability of conducting an inventory of environmental features in your community that would interface with your current system, i.e. GIS. This inventory can include such environmental features as wetlands, floodplains, and/or park lands to be used when considering future zoning and development.



Design and Environmental Inspection of Soil Erosion and Sedimentation Controls

HLR has qualified erosion control inspectors to keep your site in compliance according to most recent IEPA criteria. HLR can also design soil and erosion controls to implement during project construction to protect the environment.

Noise Analysis and Noise Wall Design

HLR conducts noise analyses and can present innovative solutions to your noise problems. One solution may be to construct a noise wall. With our structural team, we can complete a noise analysis as well as design the noise wall to meet your needs.