

# SERVICES PROVIDED BY SPECTRA

## Infrastructure Engineering

Airports  
Bridge/culvert design  
Bridge inspection (under-water & above-water)  
Bulkheads  
Construction inspection  
Contract administration  
Dams  
Drafting  
Drainage design  
Highway design  
Intersections  
Locally-administered federal aid project assistance  
Railroads  
Sanitary/storm sewer design  
Site/Civil design  
Slope stability analysis & design  
Stream stability and scour evaluation  
Trail design  
Traffic engineering  
Water/wastewater design

## Mining Services

Aquifer mapping and impact analysis  
Aquifer testing through pump tests  
Containment transport studies  
Drainage basin delineation  
Erosion and sediment control  
Geologic mapping  
Groundwater modeling  
Groundwater supply exploration and development  
Mine permitting  
Remedial investigation and design  
Slope stability analysis  
Stormwater permitting  
Traffic studies & access roads  
Watershed management and protection  
Wellhead protection plans

## Other Services

Community outreach/public participation  
Construction phase services  
Expert witness testimony  
Emergency response services  
Regulatory training and safety services

## Environmental Engineering

Air quality analysis  
Brownfield site screening, selection & assessment  
Chemical bulk storage spill prevention control and countermeasures plans  
Dredging services  
Environmental impact statements  
Environmental remediation  
Environmental site assessments (Phase I, II, and III)  
Geophysical services  
Hazardous waste services  
Hydrogeologic services  
Landfill engineering services  
Permitting  
Petroleum bulk storage tank audits, registrations, and SPCC plans  
Property transactions  
SEQRA and NEPA permitting  
Solid waste services  
SPDES permitting  
Stormwater pollution and prevention plans/MS4  
Superfund site screening, selection & assessment  
Vapor intrusion assessments  
Wetlands

## Surveying & Ground Penetrating Radar

ALTA surveys  
As-built surveys  
Boundary surveys  
Cadastral surveys  
Construction surveys and stakeouts  
Control surveys  
Elevation/floodplain surveys  
Ground Penetrating Radar  
Hydrographic and underwater surveys  
Photogrammetric surveys  
Sub-surface investigations  
Subdivision and site plan surveys  
Topographic surveys