

Civil and Sanitary Engineering Design

Project Investigations, Reports and Feasibility Studies
Cost Analysis
Preliminary and Final Engineering
Earthwork and Site Grading
Stormwater Detention, Collection and Flood Control
Sewage Collection and Treatment
Water Supply, Storage and Distribution
Erosion Control
Freeways, Arterial Collector and Local Street Design
Urban, Suburban and Rural Street Design
Intersection Geometry and Roundabout Design
Traffic Studies and Signal Design
Roadway and Parking Lot Lighting
Bicycle and Multi-Use Pathway Design
Motor Fuel Tax (MFT) Design and Inspection
Railway Design
Railroad Facility and Grade Crossing Engineering
Small Dams and Bridges

Surveying

Boundary and ALTA Surveys
Topographical Surveys
Wetland Location Surveys
Subdivision Plats
Easement Preparation
Building Layout
DOT Surveys
Dedication Plats
High Definition 3-D Scanning

Water & Wastewater Engineering

Facility Planning
Water Production, Treatment and Distribution Design
Sanitary Collection and Treatment System Design
Reclaimed Wastewater Irrigation Design and Permitting
Contract Operations and Management
Spray Irrigation
Pre-Treatment Program Setup
Permitting and Ordinance Compliance
Bio-Solid Management and Planning
Rate Evaluation and Recommendations
Loan Acquisition Assistance
Grant Package Preparation and Release
Safety Planning and Implementation
Agency Compliance Issue Negotiation
Corrosion Protective Coating Consultation
Construction and Project Management and Oversight

Water Resources Engineering

Watershed Drainage
Master Watershed Planning
Hydrologic and Hydraulic Modeling
Stormwater Infrastructure Design
Stormwater Master Planning
FEMA Flood Insurance Studies
Dam Break Modeling and Breach Zone Mapping
Aquifer Characterization/Water Supply Studies
Erosion and Sediment Control
Geomorphic Characterization and Stream Restoration
Wetland Delineations
Wetland Creation, Enhancement and Restoration
USACE Nationwide and Individual Permitting
Wetland Mitigation Plans and Monitoring
Irrigation Design
NEPA Documentation
GIS Services
DNR Permit Assistance

Construction Services

Contract and Bid Negotiation
Constructability Review
Project Budgeting and Cost Analysis
Construction Scheduling and Staking
Construction Guidance and Observation
Construction Management
Assistance with Municipal Acceptance
Total Site Coordination

Environmental Services

Phase I Environmental Site Assessments
Phase II Environmental Site Characterizations
Phase III Environmental Site Remediations
Underground Storage Tank Assessments
Comprehensive and Pre-Demolition Asbestos Surveys
Asbestos Abatement Project Specifications
Asbestos Abatement Work Observation and Air Monitoring
Asbestos Management Plans
RCRA Compliance Audits
Hazardous Materials Management Plans
Lead Based Paint Testing and Remediation Services
Health and Safety Work Plans
Special Resources Survey

Land Planning

Land Use Planning
Entitlement Services
Park Design and Improvement Plans
Athletic Field and Sports Facility Design
Urban Design
Project, Zoning and Appearance Review
Ordinance Writing and Updating
Mapping Services
Municipal Planning and Zoning Strategies
Municipal Plan Review
Property Annexation
Utilities Planning and Mapping
Density Analysis
Highest and Best Use Analysis
Real Estate Research and Due Diligence
Litigation Support

Landscape Architecture

Landscape Planting Plans
Entry Monument Plans and Designs
Entrance Feature Designs
Detailed Grading Design and Enhancement
Landscape Costing
Streetscape Design
Irrigation Design

Supply Chain Logistics

Market Forecast Analysis
ROI/Financial Analysis
Terminal Operations Analysis
Technology Evaluations
Terminal Valuations
Security Assessment and Planning
Equipment Selection and Acquisition
Project Marketing and Advocacy
General Freight Transportation Consulting
Terminal Planning, Design and Layout
Throughput Capacity Analysis
Supply Chain Cost Analysis
Port, Intermodal and Logistics Park Master Planning
Economic Impact Analysis

Sustainable Solutions

Eco-System Management
•Prairie Restoration and Management
•Endangered Species Consultation
•Flora and Fauna Surveys
•Water Quality Sampling and Monitoring
Renewable Energy
•Bio-Energy
•Wind Energy
•Solar Energy
•Hydropower
LEED Design
Community Outreach