

## Infrastructure Design

Environmental Improvement Projects  
 Rural and Urban Street Design  
 Traffic Calming  
 Intersection Geometry and Roundabout Design  
 Roadway and Parking Lot Lighting  
 Bicycle and Multi-Use Pathway Facilities  
 Small Dams and Diversion Structures  
 Bridges and Pedestrian Crossings  
 Project Feasibility Reports  
 Cost Estimates  
 Preliminary and Final Engineering Design  
 Site Grading and Earthwork  
 Stormwater Detention & Retention Facilities  
 Flood Control Improvement Design  
 Sewage Collection Disposal and Treatment  
 Water Supply, Storage and Distribution  
 Erosion Control Projects  
 Water Quality Improvement Projects

## Grants Writing and Alternative Financing

Needs Assessment  
 Grant Writing  
 Agency Funding Coordination  
 Planning Assistance  
 Public Participation  
 Cost-Benefit Analysis  
 Preliminary Design  
 Environmental Review  
 State Revolving Loans  
 Federal Loans  
 Alternative Revenue Sourcing  
 Grant Administration  
 Preliminary Engineering Reports  
 Demographics  
 Feasibility Reports

## Hydrology and Hydraulics

Hydrologic and Hydraulic Modeling  
 Stormwater Infrastructure Design  
 Stormwater Master Planning  
 Watershed Planning  
 FEMA Flood Studies  
 Dam Break Analysis and Modeling  
 Sediment Transport Modeling  
 Erosion and Sediment Control  
 River and Stream Restoration  
 Wetland Creation, Enhancement and Restoration  
 USACE Permitting

## Water & Wastewater Engineering

Well Design  
 Treatment Design  
 Tank and Tank Liner Design  
 Booster Pump Design  
 Distribution System Design  
 System Modeling and Model Calibration  
 Lift Station and Force Main Design  
 Gravity Collection System Design  
 Design of Treatment Systems and Components  
 Conventional (Septic Systems)  
 Alternative Individual Sewage Disposal Systems  
 Modeling and Calibration of Wastewater Systems  
 Reclaimed Wastewater Irrigation Design  
 Permitting and Effluent Management Plans  
 Landscape & Agricultural Irrigation System Design  
 Energy Audits for Pump and Treatment Systems  
 Assistance with Operations and Management of Water & Wastewater Systems  
 Capital Improvement Plans for Water & Wastewater  
 Water & Wastewater Permitting and Regulation  
 Compliance  
 Grant Package Preparation and Release  
 Agency Compliance Issue Negotiation  
 Competitive Bidding Services  
 Construction Oversight/ Project Management

## Surveying

Annexation Requests  
 Boundary and ALTA Surveys  
 Property Line Location  
 Elevation Certificates  
 Topographical Surveys  
 Construction Surveys  
 Aerial Surveys  
 GIS Location Surveys  
 LIDAR Verification  
 Subdivision Maps  
 Easement Legal Descriptions  
 Site Layout  
 DOT Surveys  
 Dedication Plats  
 Tentative & Final Parcel Maps  
 Amended Maps  
 Record of Surveys  
 Boundary Line Adjustments

## Land Use Planning

General/Master Plans and Updates  
Community Plans  
Zone Changes  
Special Use Permits  
Ordinance Writing and Updating  
Constraint Mapping and Evaluation  
Development Analysis  
Real Estate Research and Due Diligence  
Litigation Support Services  
Land Use Planning  
Entitlement Services  
Subdivision Maps  
Variances  
Planned Unit Developments  
Traditional Neighborhood Design  
Community Outreach  
CEQA/NEPA Documentation

## Landscape Architecture

Park Facility Design and Improvement Plans  
Sports Facility Design  
Landscape Planting Plans  
Entry Monument Designs  
Entrance Feature Designs  
Detailed Grading Design and Enhancement  
Landscape Cost Estimates  
Streetscape and Corridor Planning  
Irrigation Design

## Information Technology Services

Information Technology Consulting  
VoIP Cisco  
Virtual Desktop Infrastructure (VDI)  
Website Hosting  
Hosted Exchange  
Remote Workplace- Virtual Private Networking (VPN)  
Cloud Hosting  
Offsite backups  
Real-Time Monitoring  
Virtualization Technology  
Document Imaging  
Spam Filtering

## Construction Services

Bidding Services  
Constructability Review  
Project Budgeting  
Construction Scheduling  
Construction Observation Services  
Construction Management  
Site Coordination

## Residential & Small Commercial Design

Custom Residential Design  
Cabinet Elevations  
Kitchen Layout  
Heat Loss Calculations  
Schematic and Working Drawings  
Color Renderings  
Structural Engineering Services  
Site Planning  
Grading and Drainage Plans  
Garden and Landscape Architecture