



**Western
Technologies
Inc.**

The Quality People
Since 1955

Geotechnical Engineering, Environmental Consulting,
Construction Materials Testing and Engineering,
Nondestructive Testing and Special Inspection

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OUR VISION

"To provide clientele with cost-effective solutions that satisfy design or compliance requirements of society's infrastructure, environmental and development policies."





GEOTECHNICAL SERVICES

- Geotechnical Site Evaluations
- Dam / Impoundment Design
- Liquefaction Analyses and Mitigation
- Seismic Analyses (General and Site Specific)
- Foundation Recommendations
- Excavation Evaluations
- Shrink / Swell Evaluations
- Flood Control Structures
- Geological Hazard Studies
- Hydrogeological Studies
- Grouting Programs and Cutoff Walls
- Seepage Analyses
- Slope Stability Analyses
- Slope Reinforcement Design
- Mechanically Stabilized Wall Design
- Pavement Design
- Construction Material Source Evaluation
- Landfill Design Recommendations
- Forensic Investigations
- Infiltration Testing (Double or Single-Ring)
- Load Testing (Foundation and Building)



ENVIRONMENTAL SERVICES

Environmental Assessments

- Phase I and Phase II ESAs
- Phase III ESAs including Corrective Actions and Risk Assessments
- Underground Storage Tanks

Environmental Compliance

- Facility Audits
- Spill Prevention Control and Countermeasure Plans
- Stormwater Pollution Prevention Plans
- Air Emissions Monitoring
- Air Permitting

Remediation and Clean-Up

- Site Investigations
- Remedial Action Plans and Alternatives
- System Design, Permitting and Installation

Industrial Hygiene

- Exposure Monitoring and Employee Training
- Worker Health and Safety

Indoor Air Quality

- Biological and Chemical Monitoring
- Physical Assessments and Abatement Design

Asbestos

- Building Inspections
- Operations and Maintenance Plans
- Awareness Training
- Abatement Design and Oversight

Lead-Based Paint

- Paint Inspections
- Risk Assessments and Control plans

Litigation Support and Expert Consulting





MATERIALS TESTING & INSPECTION SERVICES

IBC Special Inspections

- Reinforced Concrete, Structural Masonry, Prestressed Concrete, Fireproofing, Pile and Pier Foundations, Footing Inspections

Construction Quality Assurance

- Quality Assurance Plans
- Independent Assurance Testing
- Acceptance Laboratory Testing and Evaluation

Construction Quality Control

- Quality Control Plans and Management
- Materials Testing and Inspection
- Final Quality Control Reports

Pavement Engineering

- Pavement Evaluation and Condition Reports
- Inspection and Testing Services

Earthwork Observation

- Review of On-site and Imported Materials
- Fill Placement Observation
- Density Testing and Final Grading Reports

Concrete

- Mix Designs, Consultation
- Fresh Concrete Field Testing
- Evaluation of Hardened Concrete

Asphalt

- Mix Designs, Consultation
- Laboratory Testing and Construction Monitoring

Masonry, Grout and Natural Stone

- Field Inspections and Strength Testing
- Design Mixes for Mortar and Grout

Soil and Aggregates

- ASTM C 33 Compliance Testing
- Soil-Cement and Soil-Lime Mix Design
- Field and Laboratory Testing

Crumb Rubber and Crack Sealants

- Testing and Evaluation



NONDESTRUCTIVE SERVICES

- Special Inspections for Applicable Codes including AWS, IBC, IRC
- AWS, ASME and API Welder Certification
- AWS, ASME and API Welding Procedure Qualification
- Visual Welding Inspections
- ASNT Radiography Testing using X-ray and Gamma-ray All Codes
- ASNT Ultrasonic, Magnetic Particle, Liquid Penetrant Testing
- Anchor Bolt Inspections and Testing
- Material Tensile, Flexural, Elongation and Bend Tests, and Chemical Analysis
- Structure and Ground Penetrating Radar
- Load Tests (jacks, boom truck, load straps)
- Vessel and Piping Pressure Tests - Hydrostatic
- Infrared Thermography
- Paint Thickness Observations and Testing (metal, stucco, wood)
- Wood Moisture Testing
- Vibration Monitoring (baseline, construction or blast-induced)
- Bridge Elastomeric Bearing Pads
- Hardness Testing



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**ARIZONA • NEW MEXICO • COLORADO
NEVADA • UTAH • REPUBLIC OF MEXICO**

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