STATEMENT OF QUALIFICATIONS

To Provide Materials Testing and Special Inspection Services

advancing the quality of life for generations to come,
creating a brighter future through engineering, science, planning, and design

Eureka | Ukiah | Santa Rosa
www.lacoassociates.com
Cover photos clockwise from top: (1) Concrete pour in progress at the new 165 megawatt Pacific Gas and Electric power plant adjacent to Humboldt Bay. LACO provided materials testing and special inspection services in addition to a variety of other engineering and geology related services. (2) LACO provided construction management services for the construction of the community center at Tish Non Village for the Bear River Band of the Rohnerville Rancheria. (3) College of the Redwoods Learning Resource Center under construction: the building consisted of a structural steel eccentric brace frame building with a cast-in-place reinforced concrete mat slab foundation. (Facing Page) Placement of Rock Slope Protection for the Arcata Levee Repair project, silt fencing protects Humboldt Bay from construction disturbance. LACO provided engineering, permitting, geotechnical, survey, and construction management services.
LACO Associates (LACO) provides integrated solutions for development, infrastructure, and geo-environmental projects to advance the quality of life for generations to come, creating a brighter future through engineering, science, planning, and design.

Since 1954, when we opened our first office on the California North Coast, LACO has grown from a small engineering company to a multi-disciplinary professional consulting firm. From the beginning, we have understood the value of personal relationships, the need for diverse professional services, and the importance of preserving and enhancing natural resources. The foundation of our success has been helping our clients achieve their goals while meeting the needs of our community, environment, and the people who make it their home.

Our team members recognize that their success as professionals is contingent upon the success of your project, and we have the expertise to care for your complex and challenging projects.
LACO’s Materials Testing and Inspections team has the local knowledge, experience, and qualifications to meet the demands of your project. We understand that timeliness and flexibility are essential to successful projects, and the quality of your construction project is our top concern. LACO’s materials laboratory maintains accreditation or approvals through DSA, AASHTO, and Caltrans. Our field testing and inspection personnel maintain certifications by ICC, AWS, ACI, and Caltrans.

Our certifications include:

<table>
<thead>
<tr>
<th>Organization</th>
<th>LACO Certifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>DSA/DGS - Division of the State Architect, California Department of General Services</td>
<td>Approved laboratory for performing special inspection, materials testing, and geotechnical services on California public school construction projects, a distinction not held by all firms in our profession.</td>
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<tr>
<td>AASHTO - American Association of State Highway and Transportation Officials</td>
<td>Laboratory accredited by the AASHTO Accreditation Program (AAP) based upon laboratory audits by CCRL (Cement and Concrete Reference Laboratory) and AMRL (AASHTO Materials Reference Laboratory).</td>
</tr>
<tr>
<td>ICC - International Code Conference</td>
<td>Multiple field personnel maintain Special Inspector Certifications issued by ICC that are required by many local building jurisdictions to perform special inspections per the California Building Code.</td>
</tr>
<tr>
<td>CALTRANS - California Department of Transportation</td>
<td>Multiple personnel certified to perform laboratory and field testing and batch plant inspection in accordance with Caltrans test procedures.</td>
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<tr>
<td>AWS - American Welding Society</td>
<td>Multiple field personnel maintain AWS certified welding inspector certification.</td>
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<td>ASNT - American Society for Nondestructive Testing</td>
<td>Multiple personnel certified in conformance with ASNT standards to perform nondestructive testing of structural steel welding.</td>
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<tr>
<td>ACI - American Concrete Institute</td>
<td>Multiple field and laboratory personnel maintain ACI certification.</td>
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<tr>
<td>ASTM - American Society for Testing and Materials</td>
<td>Laboratory and field testing complies with ASTM procedures and standards.</td>
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<tr>
<td>Nuclear Gauge Safety Certification</td>
<td>Multiple personnel are Nuclear Gauge Safety Certified to perform density testing of engineered and structural fill.</td>
</tr>
</tbody>
</table>

Our laboratory materials testing services include:
- Soil testing and analysis
- Aggregate testing and analysis
- Concrete mix design review
- Compressive strength testing of concrete, grout, and mortar

Our Special Inspection services include:
- Reinforced concrete
- Structural steel welding
- Structural steel and high strength bolting
- Structural masonry
- DSA structural masonry
- Spray applied fireproofing
- Non-destructive testing (NDT) of structural steel welds
- Density testing of structural fills using Nuclear Density Gauges
- Post installed anchors (chemical or mechanical)
LACO provided concrete testing and inspection services under demanding project timelines and stringent project oversight during the construction of the new West Engine Hall at Pacific Gas and Electric’s Humboldt Bay Generating Station in King Salmon, CA.

Left: LACO performed welding inspection and worked closely with the contractor to facilitate the on-time completion of a 50-foot tall tieback retaining wall near Redcrest, CA on US Highway 101. Right: Our project team provided concrete sampling and testing during construction of the Mendocino Community College.

Testing and inspection at the Ferndale Wastewater Treatment Plant effluent treatment tank.
## PROJECT REFERENCES

The table below lists some of our recent Materials Testing and Special Inspection projects and the types of services we provide. More detailed project summaries that represent our recent work.

<table>
<thead>
<tr>
<th>Project Name</th>
<th>Types of Services</th>
</tr>
</thead>
<tbody>
<tr>
<td>Antelope Valley Women’s and Infant Center - Antelope Valley</td>
<td>Mass Grading, Inspection and Soil Compaction Testing</td>
</tr>
<tr>
<td>Artley Performing Arts Center - Eureka</td>
<td>Concrete Sampling and Testing</td>
</tr>
<tr>
<td>Bear River Casino - Loleta</td>
<td>Reinforced Concrete Special Inspection, Sampling and Testing</td>
</tr>
<tr>
<td>College of the Redwoods Child Development Center - Eureka</td>
<td>Structural Masonry Special Inspection, Sampling and Testing</td>
</tr>
<tr>
<td>College of the Redwoods Learning Resource Center - Eureka</td>
<td>Welding, NDT, High Strength Bolting Inspection</td>
</tr>
<tr>
<td>College of the Redwoods Outreach Campuses - Fort Bragg &amp; Crescent City</td>
<td>Post-Installed Anchors Testing and Special Inspection</td>
</tr>
<tr>
<td>Coming Attractions Theatres Expansion - Eureka</td>
<td>CMAA / OSH Post-Installed Anchors Testing and Special Inspection</td>
</tr>
<tr>
<td>Crescent City Inner Basin - Crescent City</td>
<td></td>
</tr>
<tr>
<td>Crescent City Wastewater Treatment Plant - Crescent City</td>
<td></td>
</tr>
<tr>
<td>Del Norte High School - Crescent City</td>
<td></td>
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<tr>
<td>Fairchild Medical Center, New Hospital Construction - Yreka</td>
<td></td>
</tr>
<tr>
<td>Ferndale Wastewater Treatment Plant - Ferndale</td>
<td></td>
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<tr>
<td>Fortuna High School - Fortuna, CA</td>
<td></td>
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<tr>
<td>Fortuna Middle School - Fortuna, CA</td>
<td></td>
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<tr>
<td>Freshwater Elementary School - Freshwater</td>
<td></td>
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<tr>
<td>Garberville Sanitation District Improvements - Garberville</td>
<td></td>
</tr>
<tr>
<td>Gazquet Elementary School - Gazquet</td>
<td></td>
</tr>
<tr>
<td>Healdsburg Hospital Emergency Room - Healdsburg</td>
<td></td>
</tr>
<tr>
<td>Healy Building Seismic Retrofit - Eureka</td>
<td></td>
</tr>
<tr>
<td>Hydesville Community Services District Waterline Upgrade - Hydesville</td>
<td></td>
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<tr>
<td>JNOW Schools Modernization - Hoopa</td>
<td></td>
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<tr>
<td>Marin General Hospital - Greenbrae</td>
<td></td>
</tr>
<tr>
<td>McKinleyville Union School District - Morris, Dows Prairie, Mck Middle School</td>
<td></td>
</tr>
<tr>
<td>Mendocino Community College Lake Center - Lakeport</td>
<td></td>
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<tr>
<td>Mendocino Community College LRC - Ukiah</td>
<td></td>
</tr>
<tr>
<td>Mendocino Unified School District K-8 Campus - Mendocino</td>
<td></td>
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<td>Mercy Medical Center, Numerous Expansion - Redding</td>
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<tr>
<td>Mountain Elementary School - Gasquet</td>
<td></td>
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<tr>
<td>Orchard Lane Apartments - Redway</td>
<td></td>
</tr>
<tr>
<td>Orleans Wastewater Treatment Plant - Orleans</td>
<td></td>
</tr>
<tr>
<td>Palmdale Regional Medical Center - Palmdale</td>
<td></td>
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<tr>
<td>PG&amp;E Humboldt Bay Generating Station - King Salmon</td>
<td></td>
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<tr>
<td>Pier 1 Bayshore Mall - Eureka</td>
<td></td>
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<tr>
<td>Redding Medical Center, 4 Story Expansion - Redding</td>
<td></td>
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<tr>
<td>Safety No. 2908 - Eureka</td>
<td></td>
</tr>
<tr>
<td>Salinas Valley Memorial Hospital - Salinas</td>
<td></td>
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<tr>
<td>Scenic Drive Rehabilitation - Trinidad</td>
<td></td>
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<tr>
<td>Sutter Lakeside Hospital MRI Facility - Lakeport</td>
<td></td>
</tr>
<tr>
<td>The Tamalpais Skilled Nursing Facility - Greenbrae</td>
<td></td>
</tr>
<tr>
<td>Trinity Valley Modernization - Willow Creek</td>
<td></td>
</tr>
<tr>
<td>Ukiah Valley Cultural Center - Ukiah</td>
<td></td>
</tr>
<tr>
<td>Various Road Projects Humboldt County - Humboldt County</td>
<td></td>
</tr>
<tr>
<td>Washington Elementary School - Eureka</td>
<td></td>
</tr>
</tbody>
</table>

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www.lacoassociates.com
Pacific Gas and Electric engine hall under construction. LACO provided a variety of services for this project, including Materials Testing and Inspection.

LACO provided engineering design, testing, and inspection services as a part of the design-build team that constructed the Bear River Hotel in Loleta, CA under an aggressive project schedule. The photo at left shows the assembly of the tilt-up concrete basement parking garage.
PG&E Humboldt Bay Generation Station - King Salmon

LACO provided construction materials testing and special inspection services for a new natural gas fired 165-megawatt power plant located adjacent to Humboldt Bay. We provided the following services:

- Observation and evaluation of site excavations
- Compaction testing during backfill operations
- Concrete placement observation and testing
- Sampling and testing of approximately 8,000 cubic yards of structural concrete
- Special inspection of reinforcing steel placement
- Special Inspection of structural steel welding (field erection and welding)
- High strength bolting observation and testing
- Installation observation of over 5000 chemical and mechanical anchorages

College of the Redwoods Mendocino Coast Campus - Fort Bragg

LACO provided construction materials testing and special inspection services for seismic upgrades and remodeling of the existing College of the Redwoods outreach campus. We provided the following services:

- Geotechnical site investigations
- Compaction testing during backfill operations
- Concrete placement observation and testing
- Sampling and testing of concrete reinforcing steel
- Special Inspection of structural steel welding (shop fabrication, field erection and welding, and non-destructive examination of completed welds)
- High strength bolting observation and testing
- Tension testing of chemical and mechanical anchorages

College of the Redwoods Learning Resource Center - Eureka

LACO provided engineering, construction materials testing, and special inspection services for a new 39,000 square foot commercial building. The project consisted of a structural welded steel beam and column brace frame building with a cast-in-place reinforced concrete mat slab foundation. We provided the following services:

- Seismic and geotechnical site investigations
- Observation and evaluation of site excavations
- Compaction testing during backfill operations
- Sampling and testing of approximately 8,500 cubic yards of structural concrete
- Sampling and testing of concrete reinforcing steel
- Special Inspection of structural steel welding (shop fabrication, field erection and welding, and non-destructive examination of completed welds)
- High strength bolting observation and testing
- Testing of chemical and mechanical anchorages
PG&E Humboldt Bay Generating Station under construction, concrete pour in progress.

Aerial photo of the College of the Redwoods Mendocino Coast Campus, Fort Bragg.

Completed College of the Redwoods Learning Resources Center, Eureka.
Mendocino College Solar Array Support Services - Ukiah

LACO was retained by SunPower Corporation to support the development of a 4.4 acre site and the construction of a one-megawatt solar array for the Mendocino Community College (College) campus in Ukiah, California. Throughout the project, we responded quickly to our client’s needs, and provided multidisciplinary support services to ensure project success. LACO completed all aspects of this multidisciplinary project on time and on budget. During the construction phase of the project, we provided the following services:

- Our survey staff provided complete construction staking of the solar array within a short turn around time
- Our team staked over 750 points within a 3/8” tolerance over a 2-day period
- LACO’s materials testing staff provided special inspections of rebar, concrete, and welding, along with compaction testing
- We responded to all requests for testing and inspection within 24 hours of notice

Mendocino College Maintenance Building - Ukiah

LACO provided construction materials testing and special inspection for the new maintenance building. Our services on the project began in 2008 with geotechnical evaluation and survey to support planning and design of the building. During the construction phase of the project, we provided the following services:

- Compaction testing during backfill operations
- Concrete placement observation and testing
- Sampling and testing of reinforcing steel
- Special Inspection of structural steel welding
- High strength bolting observation and testing

Mendocino College Modular Classrooms - Ukiah

LACO provided construction materials testing and special inspection services for five modular classrooms that were relocated on the campus. Our services on the project began in 2009 with a geotechnical field evaluation to support planning and design of the building. During the construction phase of the project, we provided the following services:

- Compaction testing during backfill operations
- Sampling and testing of structural concrete
- Sampling and testing of concrete reinforcing steel
- Special inspection of field welding

C.V. Starr Community Center & Sigrid and Harry Spath Aquatic Facility - Fort Bragg

At the request of Tri-B Construction Management, LACO provided special inspection services for the new Aquatic Center located in Fort Bragg, CA. We provided the following services:

- Shop and field welding inspection
- Non-destructive testing of structural steel weldments
- Field welding inspection of steel decking
Mendocino College Modular Classrooms, construction in progress.

LACO Testing Technician performing concrete sampling at Mendocino College.

Completed solar panel array at Mendocino College, Ukiah Campus.

Mendocino College Modular Classrooms, construction in progress.

C.V. Starr Community Center & Sigird and Harry Spath Aquatic Facility under construction in Fort Bragg, CA.
College of the Redwoods Child Development Center - Eureka

LACO provided engineering, construction materials testing, and special inspection services for a new 15,000 foot single story building. The project consisted of a structural steel eccentric brace frame building with a cast-in-place reinforced concrete mat slab foundation. We provided the following services:

- Seismic and geotechnical site investigations
- Observation and evaluation of site excavations
- Compaction testing during backfill operations
- Sampling and testing of approximately 1,400 cubic yards of structural concrete
- Sampling and testing of concrete reinforcing steel
- Special inspection of structural steel welding (shop fabrication, field erection and welding, and non-destructive examination of completed welds)
- Structural masonry
- High strength bolting observation and testing
- Chemical and mechanical anchorage testing

Humboldt State University (HSU) Behavioral and Social Sciences Forum Building - Arcata

At the request of HSU, LACO provided special inspection services for the new Forum Building adjacent to the new BSS Building. We provided the following services:

- Field welding inspection
- Non-destructive testing of structural steel weldments
- Field welding inspection of steel decking

Blue Lake Casino, Blue Lake, CA

LACO provided construction materials testing, and special inspection services for a new 44,000 square foot casino. We provided the following services:

- Concrete placement observation and testing
- Compression testing of concrete cylinders
- Special inspection of spray applied fireproofing

Mendocino Unified School District Performing Arts Center - Mendocino

LACO performed construction material testing and special inspection services for a new 15,000 square-foot Performing Arts Center under the jurisdiction of DSA. We provided the following services:

- Mix design review
- Concrete placement observation and testing
- Thin-film intumescent fireproofing inspection
- Structural steel and rebar sampling
- Welding inspection
- Glue-lam beam fabrication inspection
- Testing of chemical and mechanical anchorage
College of the Redwoods Child Development Center under construction in Eureka.

Completed Child Development Center at the College of the Redwoods in Eureka.

Completed Mendocino Unified School District Performing Arts Center building, Mendocino.
Ferndale Wastewater Treatment Plant

LACO provided special inspection, field sampling and testing, and laboratory testing and analysis services for the construction of a new wastewater treatment facility serving the community of Ferndale, CA. We provided the following services:

- **Special Inspection and Field Testing**
  - Special Inspection of high strength bolting
  - Special Inspection of reinforcing steel placement
  - Field sampling and testing of structural concrete
  - Density testing of trench backfill and site structural backfill

- **Laboratory Testing and Analysis**
  - Compression testing of concrete field samples
  - Moisture/density curve analysis to facilitate field density testing

Garberville Sanitary District (GSD) Wastewater Treatment Facility

LACO provided special inspection, field sampling and testing, and laboratory testing and analysis for improvements to an existing wastewater treatment facility. Improvements included the construction of a new wastewater-holding pond, installation of several thousand lineal-feet of pipeline, and the construction of a new operations building. We provided the following services:

- **Special Inspection and Field Testing**
  - Observation during site excavation and structural backfill operations
  - Density testing of trench backfill through public right-of-ways and site structural fill
  - Sampling and testing of concrete reinforcing steel
  - Concrete placement observation and testing
  - Special Inspection of structural steel field welding
  - Non destructive testing of structural steel field welding

- **Laboratory Testing and Analysis**
  - Concrete mix design review and verification
  - Compression testing of concrete field samples
  - Moisture/density curve analysis to facilitate field density testing
  - Sieve analysis of structural backfill materials
  - Characterization of structural backfill materials

LACO also provided Construction Management and Resident Engineering services for a prior GSD Collection System Improvement project. Conditions within the Highway 101 CalTrans right-of-way created challenges for the construction team. These challenges required rigorous coordination and resolution of issues to maintain safe travel through this vital corridor. LACO staff coordinated design changes with CalTrans and helped realize completion of the project on schedule. LACO also performed pay request reviews, review of change orders, and provided recommendations during the course of construction.
Ferndale Wastewater Treatment Plant under construction

Middle and Bottom: Garberville Sanitary District’s wastewater holding pond under construction
Safeway Inc. - No. 2908 Eureka Testing & Inspection

Services

LACO provided materials testing services and geotechnical support for the construction of a new 49,000 square foot commercial structure and 200,000 square feet of new parking lot. Phase 1 consisted of site improvements including a Mechanically Stabilized Earth (MSE) retaining wall, stormwater detention/infiltration swale, underground utilities, and general parking lot improvements. Site construction challenges included fine-grained soils, perched groundwater and undocumented fill soils. LACO worked in a proactive role with the Owner and Contractor to create solutions to these concerns and to keep construction progressing, while checking quality requirements of the final product.

Our project team worked closely with the Safeway construction management staff, the general contractor, and the subcontractors to meet the following project quality assurance requirements:

- County right of way utility improvements compaction testing
- Site grading, compaction testing, parking lot improvements
- Hilliker retaining wall compaction testing and laboratory analysis of backfill materials
- Geotechnical inspection for compliance with project soils report
- Geotechnical recommendations for to mitigate site conditions
- Investigation of detention/infiltration swale capacity per project plans
- Structural concrete placement, sampling, and rebar placement inspection
- Geotechnical inspections of remaining site improvements including footprint of 49,000 square foot store
- Compaction testing during placement of building pad fills
- High strength bolting special inspections
- Special inspection of concrete tilt up panel welds and structural steel members
- Special inspection of installed concrete anchors and/or tension testing
- Laboratory testing of concrete, high-strengthgrout, and soils
Middle and Bottom: Eureka Safeway Store No. 2908 under construction

Completed Safeway Store No. 2908, Eureka
Redwood Harley-Davidson - Eureka

LACO provided construction materials testing and special inspection services for a new 20,000 square foot single story building. The project consisted of a prefabricated and shop fabricated structural steel frame building with a cast-in-place concrete slab-on-grade floor supported on continuous footings. We provided the following services:

- Geotechnical site evaluation
- Laboratory materials testing
- Compaction testing of structural backfill
- Concrete sampling, testing, and placement observation
- Special Inspections per the CBC Chapter 17 including concrete reinforcing steel placement and on-site structural steel welding

Eureka City Schools - Eureka

LACO provided construction materials testing and special inspection services for expansion and/or modernization of several elementary schools including Washington, Grant, Lafayette, and Alice Birney, under the jurisdiction of DSA. We provided the following services:

- Laboratory materials testing
- Compaction testing of structural backfill
- Concrete placement observation and testing
- Load testing of mechanical and chemical anchorage
- Structural steel welding inspection (shop fabrication and field welding)

Pelican Bay State Prison Inmate Day Labor Program

Administrative Segregation Project - Crescent City

LACO provided construction materials testing and special inspection services for the new Administrative Segregation Project. We provided the following services:

- Compaction testing during backfill operations
- Sampling and testing of aggregates
- Sampling, testing, and observation of structural concrete;
- Sampling and testing of concrete reinforcing steel
- Special Inspection of structural steel welding (shop fabrication, field erection and welding, and non-destructive examination of completed welds)
- Special Inspection and laboratory evaluation of spray applied fireproofing
Completed Redwood Harley Davidson building in Eureka

Completed Washington Elementary School, Eureka

Completed Grant Elementary School, Eureka
Del Norte County Unified School District Alternative Education Center - Crescent City

LACO provided engineering, construction materials testing, and special inspection services for a new 18,000 square foot building. The project consisted of a multi-story wood frame building with structural steel interior columns and a cast-in-place concrete slab-on-grade founded on continuous and isolated footings. We provided the following services:

- Site survey and geological assessment
- Storm Water Pollution Prevention Plan
- Civil design
- Laboratory testing and inspection of adjacent streets, internal access roads, parking lots, grading, drainage, and utility improvements
- Shop and field structural steel welding inspection

Pier 1 Imports – Bayshore Mall - Eureka

LACO provided construction materials testing and special inspection services for a remodel and expansion of the Bayshore Mall for a new retail store. We provided the following services:

- Laboratory materials testing
- Compaction testing of structural fill
- Concrete sampling and laboratory testing of samples
- Inspection of concrete reinforcing for a slab-on-grade floor and grade beams over piling
- Epoxy dowel placement inspection
- Inspection of structural steel welding of the roof extension and the roof support structure
- High strength bolting observation and verification

Del Norte County Unified School District Gasquet Elementary School - Gasquet

LACO provided engineering, construction materials testing, and special inspection services for a new elementary school. The project consisted of four new wood frame classrooms and an administration building using steel columns and a new structural steel frame gymnasium. We provided the following services:

- Geotechnical site investigation
- Civil design
- Laboratory materials testing
- Compaction testing of engineered fill
- Concrete sampling and laboratory testing of samples
- Structural steel welding inspection (shop fabrication and field erection)
- High strength bolting observation and verification
Completed Pier 1 Imports store in Eureka

Del Norte County Unified School District Alternative Education Center improvements under construction.

Construction of the new Gasquet Elementary School in progress
Northcoast Co-Op - Eureka

LACO provided construction materials testing and special inspection services during the remodel and expansion of an existing structure. The project consisted of the addition of several structural steel moment frame assemblies, structural steel roof framing members, an additional slab-on-grade floor, and structural concrete masonry unit (CMU) walls. We provided the following services:

- Geotechnical site investigation
- Laboratory materials testing of concrete cylinders and masonry prisms for compressive strength
- Field compaction testing of structural backfill
- Inspection of structural steel welding (shop fabrication, field welding, and non-destructive examination of completed welds)

Crescent City Wastewater Pollution Control Facility - Crescent City

LACO provided construction materials testing and special inspection services for the construction of a new sewage treatment plant. We provided the following services:

- Field and laboratory materials testing of concrete
- Concrete cylinders and CMU prisms for compressive strength
- Field compaction testing of structural backfill, concrete placement observation
- Inspection of structural steel welding (shop fabrication, field welding, and non-destructive examination of completed welds)

McKinleyville Middle School Modernization – McKinleyville

LACO performed construction materials testing and special inspection services for the McKinleyville Middle School modernization project under the jurisdiction of DSA. The construction schedule was limited to the summer break, and we provided lab services with minimal advance notice. Keys to the success of this project included proactive communication between our project team, the design team, contractor, and client representative, as well as active communication and coordination with onsite DSA Project Inspector. We provided the following services:

- Special Inspection and Field Testing
  - Sampling and testing of structural concrete
  - Special Inspection of batch plant operations
  - Special Inspection of structural steel welding
  - Tension testing of post-installed epoxy anchors
  - Density testing of trench backfill and site structural backfill
- Laboratory Testing and Analysis
  - Compression testing of concrete and grout field samples
  - Moisture/density curve analysis to facilitate field density testing
  - Sieve analysis of structural backfill materials
  - Characterization of structural backfill materials
Completed modernization improvements at the McKinleyville Middle School.

Completed North Coast Co-op building in Eureka.

The Crescent City Wastewater Pollution Control Facility under construction.
Dows Prairie Elementary School Modernization

LACO performed construction material testing and special inspection services for the Dows Prairie Elementary School modernization project under the jurisdiction of DSA. We provided the following services:

- **Special Inspection and Field Testing**
  - Sampling and testing of structural concrete
  - Special Inspection of batch plant operations
  - Special Inspection of structural steel welding
  - Tension testing of post-installed epoxy anchors
  - Density testing of trench backfill and site structural backfill

- **Laboratory Testing and Analysis**
  - Compression testing of concrete and grout field samples
  - Moisture/density curve analysis to facilitate field density testing
  - Sieve analysis of structural backfill materials
  - Characterization of structural backfill

Morris Elementary School Modernization

LACO performed construction material testing and Special Inspection services for the Morris School modernization project under the jurisdiction of DSA. The construction schedule was limited to the summer break, and our team provided lab services with minimal advance notice. We provided the following services:

- **Special Inspection and Field Testing**
  - Sampling and testing of structural concrete
  - Special Inspection of batch plant operations
  - Special Inspection of structural steel welding
  - Tension testing of post-installed epoxy anchors
  - Density testing of trench backfill and site structural backfill

- **Laboratory Testing and Analysis**
  - Compression testing of concrete and grout field samples
  - Moisture/density curve analysis to facilitate field density testing
  - Sieve analysis of structural backfill materials
  - Characterization of structural backfill materials

Hospital and Healthcare Projects

LACO’s Special Inspectors and Engineers have extensive OSHPD testing and inspection project experience. These accomplishments, along with our DSA approved and AASHTO accredited laboratories provide core services to our hospital clients. Our inspectors have served on the following projects ranging in size and scope from approximately $1 million to $800 million in value:

- Palmdale Regional Medical Center - Palmdale
- Antelope Valley Women’s and Infant Center - Antelope Valley
- Redding Medical Center, 4 Story Expansion - Redding
- Mercy Medical Center, Numerous Expansion - Redding
- Fairchild Medical Center, New Hospital Construction - Yreka
- Marin General Hospital - Greenbrae
- Sutter Lakeside Hospital MRI Facility – Lakeport
- The Tamalpais Skilled Nursing Facility - Greenbrae
- Healdsburg Hospital Emergency Room - Healdsburg
- Salinas Valley Memorial Hospital - Salinas
Completed modernization improvements at Dows Prairie Elementary School.

Completed modernization improvements at Morris Elementary School.
ADDITIONAL SERVICES

As a professional consulting firm and a Certified California Small Business, our approach is to develop optimal solutions through a cohesive perspective of your project with flexibility and responsiveness. We have the resources to analyze interdisciplinary project concerns and reliably deliver on short-notice. We offer the following services:

- Engineering
- Building and Site Design
- Planning, Permitting, and Environmental Compliance
- Engineering Geology and Geotechnical Engineering
- Environmental Science and Geology
- Surveying
- Drilling

INTEGRATED SOLUTIONS

As LACO has grown, we have responded to our clients’ need for professional support throughout the life cycle of their projects by creating our Integrated Solutions strategy, a structure that allows for communication, collaboration, and fulfillment between multiple discourses and a much wider perspective of the project at hand. Our Integrated Solutions approach enables us to achieve the following:

- Complete projects more efficiently through improved communication and coordination
- Minimize overall project costs from concept through construction by creating designs that consider both professional costs, as well as construction costs
- Maximize profitability by anticipating potential threats and opportunities throughout the development and construction life cycles
- Develop innovative solutions to project challenges through engaging multi-disciplined professionals with their domain-specific views at each project phase

We are not just consultants – we are your personal project support team.

Our goal is to make your project less overwhelming, and more enjoyable. The process should be seamless, ending with a successfully completed project, on time, and on budget.

Integrated Services means that you will find a complete team prepared to ensure that you meet your goals. You will talk to one person throughout your project’s life cycle, the Project Manager selected to oversee your project team, simplify communications, and maintain accountability. You will not have to manage the overwhelming process of retaining and managing multiple consulting firms, or decipher complex local, state, and federal regulatory agency requirements on your own.
We provide a wide variety of integrated services to ensure your project’s success, and minimize your obligations.
CULTURE

LACO’s history has played an important role in the development of our culture. Our small-town roots and foundation of knowledge have cultivated a multidisciplinary firm, accustomed to meeting complex challenges, built on the core values of Service, Ethics, and Excellence. These values are fundamental to our mission: to build an enduring professional relationship through your project’s success. We embrace new technologies, education, challenges, ambition, and the accomplishments of fellow staff in pursuit of this mission.

CORE VALUES

The following statements enable us to “SEE” continuity in our thoughts and actions, supporting your project’s success.

Service
Concern, communication, competence, timeliness, fulfillment, value
We learn, understand, and embody your concerns – and respond promptly. Our goal is to earn your satisfaction through our commitment to measurable, meaningful results.

Ethics
Sincerity, integrity, trust, standards, conduct
We conduct our affairs with rigorous standards that care for your concerns, as well as those of our employees, organization, colleagues, shareholders, partners, community, and environment. Our goal is to earn your trust through our integrity, sincerity, and technical expertise.

Excellence
Knowledge, technology, accomplishments, leadership, organization, identity
We invest in people and their accumulation of knowledge, technology, and leadership skills that enable us to produce notable accomplishments and positive results for your project. Our goal is to help you succeed by providing exceptional services.

VISION

Our vision is for our clients, employees, stakeholders, and community to recognize us as a leading full-service professional consulting firm offering infrastructure and development project solutions through our commitment to:

- Client satisfaction
- Financial performance
- Operational excellence
- Community development and prosperity
- And our core values of Service, Ethics, and Excellence
LACO designers are equipped with the latest versions of CAD and GIS software to ensure compatibility with our clients and teaming partners for electronic project documents.

Team collaboration brings value to a conceptual site plan for the Yurok Veterans Cemetery.

LACO Construction Services and Management team members at a groundbreaking ceremony for the Bear River Band of the Rohnerville Rancheria.
OUR CLIENTS

We serve a diverse group of clients, and focus specifically on the following key markets.

Education

LACO has completed numerous projects of varying size and scope for school districts and colleges throughout the North Coast. We take pride in serving our local schools because of their important contributions to our communities. Our project teams strive to find effective solutions to meet their regulatory, funding, and timing requirements without sacrificing quality. Our Materials Testing Laboratory maintains approvals from the California Division of State Architect’s Office.

Land Development

We are ideally suited for a variety of development projects as a multidisciplinary consulting firm. Our team is prepared to care for your project interests and fulfill your goals as we move through the development processes together. We maintain excellent working relationships with regulatory agencies to ensure that your project progresses smoothly. We are motivated to meet your design requirements, deadlines, and budgets to ensure your project’s success and profitability.

Municipal

LACO has over five decades of experience serving local governments and municipalities. We offer comprehensive services to help you achieve your long-term infrastructure, capital improvement, community development, and environmental goals. Municipal agencies have been fundamental to our firm’s continued success. We understand that now more than ever, you face decreasing funding and staff resources in a climate of increasing demand for services. Our team functions as an extension of your staff, responding quickly and efficiently to your requests, and design cost effective, innovative solutions for your projects. We have been instrumental in obtaining millions of dollars in grants for our clients, and we are prepared to support your funding acquisition efforts as well.

Power and Industry

LACO offers a variety of services to support clients in the power generation and industrial fields. We handle our clients’ complex, often confidential projects with great care and attention to results. Our clients consider us a trusted partner, and often return for our support on subsequent projects. You will enjoy relying on one team throughout your project, as we are capable of efficiently addressing multidisciplinary project concerns.

Your prosperity is our priority.
Our Materials Testing team performed special inspections for this massive concrete pour, one of the largest in Humboldt County history. LACO provided geologic, technical, design, and special inspection services.

Construction of the Garberville Sanitary District constructed wetlands wastewater treatment ponds. LACO’s appropriate technology design added significant capacity to the plant and improved water quality.

Our Design team prepared this conceptual site plan for a community in Nice, CA that included 20 residential lots, community center, trails, community garden, and commercial space.

The completed Student Learning Center at College of the Redwoods and the MP3 Building under construction in the background. LACO provided geologic, technical, design, and special inspection services.

Our Materials Testing team performed special inspections for this massive concrete pour, one of the largest in Humboldt County history. LACO provided design, geotechnical, and permitting support for this $500 million Pacific Gas and Electric power plant.
Remediation

LACO’s Remediation team has overseen the closure of more than 130 sites within the past 30 years throughout Northern California for releases of fuels, oil, metals, wood preservatives, solvents, and caustic materials. We understand that expediency and efficiency are keys to success in this field. Our strong working relationships with local regulatory agencies enable us to move through remediation projects efficiently. We have implemented pay-for-performance programs for a number of sites, reducing our clients’ overall project costs, and time to completion.

Transportation

LACO has completed a number of roadway designs, traffic studies, road inventories, and construction projects throughout California. We help our clients by creating cost effective ways to relieve congestion, improve safety, and provide long-term solutions to transportation issues. Our materials testing lab is AASHTO accredited, and our staff maintain Caltrans certifications.

Tribal Governments

We offer our Tribal Government clients a complete project resource within one firm, capable of executing complex projects including infrastructure, transportation, community development, economic development, and natural resource management. We have built strong working relationships with agencies such as the Bureau of Indian Affairs, Indian Health Services, EPA Office of Indian Programs, HUD, and others to minimize your project approval process, saving you time and money. A number of our employees are members of and have strong ties to local Tribes.

Water

LACO has over 60 years of professional accomplishments in a variety of water projects. We have fostered strong working relationships with local, state, and federal regulatory agencies to ensure your project’s success. We are prepared to address the following water-related project issues:

- Water and wastewater engineering and design
- Water quality and regulatory compliance
- Water reuse, recycling, and conservation
- Water resources
- Environmental permitting
- Hydrogeology and geotechnical issues
- Construction management, testing, and inspection services
- Program management
- Planning

"LACO has demonstrated superior and sophisticated capabilities in understanding and applying both engineering and environmental principles while responding to the overall concerns of GSD.

-Herb Schwartz, Chair
Garberville Sanitary District
LACO’s Engineering team evaluated the Hoopa Valley Public Utilities District’s water system, including this raw water surface source on Campbell Creek. The evaluation resulted in recommended enhancements and storage improvements to the system.

LACO employed the “caving” concept to design the Tish-Non Village, a multi-use residential development for the Bear River Band of the Rohnerville Rancheria (BRB). The meandering roadway enhanced visual aesthetics and protected sensitive environmental areas while providing access consistent with Tribal goals.

LACO’s Drilling team supporting ARCADIS with an investigation for the remediation of a former mill site in Fort Bragg, CA.
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