

REPRESENTATIVE PUBLIC WORKS & ENERGY PROJECTS

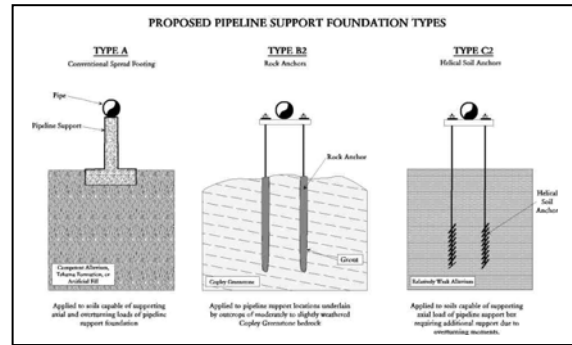
JENNY CREEK LIFT STATION AND SEWER PIPELINE

Geotechnical Engineering

Materials testing & Special Inspection

CGi is providing geotechnical engineering services for the design and construction of a new sewer lift station and pipeline along Jenny Creek within the City of Redding. The 2,600 gpm lift station is designed to extend to a depth of over 20 feet and will consist of cast-in-place or precast reinforced concrete. The proposed gravity sewer pipeline, which was constructed in 2008, replaced an existing buried and above-ground pipeline that extends along the Jenny Creek drainage. Due to limited access conditions, geotechnical recommendations for new pipeline supports

along Jenny Creek were based upon detailed geologic mapping, rock quality assessments, geophysical refraction surveys, and hand auger excavations. Based on those evaluations geotechnical recommendations for pipeline support types and design were provided.



RAWSON ROAD BRIDGE CONSTRUCTION - COUNTY OF TEHAMA

Materials Testing & Special Inspection

CGi was retained to provide materials testing and special inspection services during construction of the Rawson Road Bridge. CGI provided compaction testing, concrete placement observation and sampling, welding inspection, asphaltic concrete placement observation and sampling, laboratory testing, and miscellaneous inspection during the construction process.

LAKE CALIFORNIA BOX CULVERT CONSTRUCTION - COUNTY OF TEHAMA

Geotechnical Engineering, Materials Testing & Special Inspection

CGi was retained to provide materials testing and special inspection services during construction of the Lake California box culvert. CGI provided compaction testing, concrete placement observation and sampling, asphaltic concrete placement observation and sampling, laboratory testing, and miscellaneous inspection during the construction process. In addition, CGI provided geotechnical input for subgrade stabilization issues during construction of the box culvert foundations and wing walls.

MISCELLANEOUS TESTING & INSPECTION SERVICES - COUNTY OF TEHAMA

Materials Testing & Special Inspection

CGi was retained to provide materials testing, laboratory testing, and special inspection services during design and construction of numerous County of Tehama Projects. CGI provided compaction testing, concrete placement observation and sampling, welding inspection, asphaltic concrete placement observation and sampling, laboratory testing, and miscellaneous inspection services during these construction projects. In addition, our services have included diverse tasks such as coring the concrete roof of the Tehama County Health Services Agencies structure to assist structural engineers in the remodel of that facility.

CASCADE BOULEVARD REALIGNMENT - CITY OF SHASTA LAKE

Geotechnical Engineering

Materials testing & Special Inspection

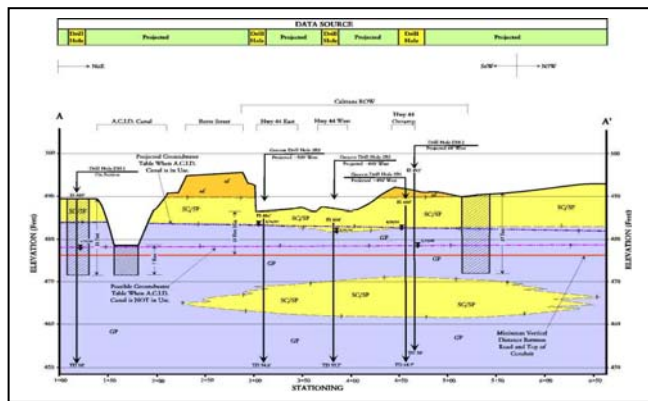
In association with our geotechnical engineering services for the project, CGI was retained to provide materials testing and special inspection services during construction of Phase I of the realignment of Cascade Boulevard at Pine Grove Avenue within the City. CGI is providing compaction testing, laboratory testing, and miscellaneous inspection during the construction process.

BUTTE STREET WATER PIPELINE - CITY OF REDDING

Geotechnical Engineering

Material Testing & Special Inspection

The City of Redding retained CGI to evaluate the feasibility of a number of different trenchless emplacement methods for a new water pipeline extending beneath State Highway 44. The 350-foot drive was constrained by the presence of shallow groundwater, a minimum vertical separation between the top of the pipeline casing and the surface highway grade, and the location of private properties and structures relative to the alignment. CGI evaluated five different trenchless methods and associated construction costs and provided recommendations to the City. Once pipe ramming was identified as the preferred alternative, CGI performed an extensive exploration and characterization study to estimate subsurface geotechnical conditions that would be encountered during construction.



Based on those services, CGI developed geotechnical design and construction recommendations for the installation of the pipeline. The pipeline was successfully rammed in place in April 2009, making it one of the longest pipe ramming reaches completed for this class of pipeline to date.

WASTEWATER TREATMENT PLANT IMPROVEMENTS - CITY OF WILLOWS

Geotechnical Engineering,

Construction Materials Testing & Special Inspection

CGI was selected to provide geotechnical services for evaluation of suitable natural and synthetic lining materials for proposed wastewater aeration ponds, and for the design and construction of a number of treatment facilities at the City of Willows Wastewater Treatment Plant. Those facilities include clarifiers, pumps, wet wells, tanks, and structures. CGI performed exploration, extensive laboratory testing, interaction with the Regional Water Quality Control Board, and geotechnical analysis to provide recommendations for design and construction of the project. During construction, CGI provided geotechnical consultation, compaction testing, concrete sampling and testing, structural steel placement inspection, asphaltic concrete placement inspection and testing, and extensive laboratory testing of material characteristics.



CITY OF CHICO ON-CALL SERVICES AGREEMENT

Geotechnical Engineering

Construction Materials Testing & Special Inspection

CGi was first selected by the City of Chico in 2003 to provide on-call geotechnical engineering and construction materials testing & special inspection services for public works and municipal capital improvement projects throughout the City. This contract was extended in 2006 and has delivered 123+ projects that we have either successfully completed or are currently on-going. Services have included geotechnical consultation, compaction testing, concrete sampling and testing, structural steel placement inspection, asphaltic concrete placement inspection and testing, and extensive laboratory testing of material characteristics.

BIG LEAGUE DREAMS SPORTSPARK & SOCCER PARK, CITY OF REDDING

Geotechnical Engineering

Construction Materials Testing & Special Inspection

CGi provided construction materials testing and special inspection services for the Big League Dreams sportspark and the new Soccer Park. Those services included compaction testing, reinforcing steel placement, concrete placement, welding inspection, and inspection of asphaltic concrete pavement placement. In addition, CGi has provided on-call geotechnical services during the construction of both parks.

SUNDIAL BRIDGE & MUSEUM EXPANSIONS, TURTLEBAY EXPLORATION PARK, CITY OF REDDING

Geotechnical Engineering

Construction Materials Testing & Special Inspection

CGi provided construction materials testing and special inspection services for the construction of the Sundial Bridge and Turtle Bay's new museum buildings. Those services include compaction testing, reinforcing steel placement, concrete placement, welding inspection, drilled pier inspection, deep dynamic compaction (DDC) monitoring, and soil & rock anchor placement inspection. In addition, CGi has provided on-call geotechnical services during the construction of the projects.

SOUTH BONNYVIEW ROAD IMPROVEMENTS, CITY OF REDDING

Construction Materials Testing & Special Inspection

CGi provided materials testing and special inspection services for the widening and improvement of South Bonnyview Road. Those services included extensive compaction testing, concrete placement, welding inspection, laboratory testing, and asphaltic concrete testing and placement observation.

HILLTOP OVERCROSSING WIDENING, CITY OF REDDING

Construction Materials Testing & Special Inspection

CGi provided materials testing and special inspection services for the widening of the Hilltop Avenue overcrossing of Highway 44 and improvement of portions of Hilltop Avenue. Those services included extensive compaction testing, concrete placement, welding inspection, laboratory testing, and asphaltic concrete testing and placement observation.