Committed to Technical Excellence and Serving Community Needs

Centrally located in Orange County, California, WRC Consulting Services, Inc. (WRC) provides engineering services for California, Arizona, and Nevada clients. WRC staff members are experienced in construction documentation; plans, specifications, and estimates; concept planning; preliminary and final design tasks; and construction support for infrastructure projects. In addition, WRC staff members have proven records of success in obtaining agency review and permit approval. Our unique abilities in the integration of traditional civil engineering approaches with environmentally friendly solutions have lent added value to our clients’ projects in the preservation of natural resources and enhancement of environmental quality. WRC has significant experience in the design of trails, parks, open-space developments, and environmental restoration along river corridors including grading and drainage as well as other issues involving water, sewers, streets/highways, and bridges/culverts. Going beyond the qualifications of traditional civil engineering firms, WRC staff members are experts in erosion and sedimentation control, on-site and off-site stormwater management, and civil/hydrology/hydraulic design for wetlands enhancements, site development, and groundwater recharge.

WRC has served Southern California clients for more than 20 years. We have been fully integrated with many public agencies’ project teams and have participated in many important water-resource and infrastructure development projects. We have had significant impacts on achieving critical milestones for our clients. Our efforts in planning, analysis, design, permitting, and implementation have helped our clients attain funding objectives and secure funding approval. Our design capabilities include large state and federally funded projects such as regional highways, regional trails, flood-control channel improvements, and environmental-restoration projects, as well as municipal works such as community parks and street, water, sewer, and storm drain improvements. In addition to providing technical support, WRC has the experience and capability to manage and deliver projects that involve multiple tasks including surveying, geotechnical exploration and engineering, civil and structural design, hydrology, hydraulics, utilities, environmental assessment, and permitting, construction bid preparation, encroachment permit and right-of-way acquisition, construction management, permitting, and public outreach. WRC maintains a team of in-house and contract experts who can provide turnkey services for multidisciplinary projects.

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Central to Orange County, California, WRC Consulting Services, Inc. (WRC) provides engineering services for California, Arizona, and Nevada clients. WRC stands for “Water Resources”, “Recreational Facilities”, and “Civil Engineering”.

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WRC has served Southern California clients for more than 20 years. We have been fully integrated with many public agencies’ project teams and have participated in many important water-resource and infrastructure development projects. We made significant impacts on achieving critical milestones and project implementation. We identified funding opportunities and secured funding approval for our clients.

In addition to supporting local governments and prime consultants, WRC Principals have delivered timely and quality services to state and federal agencies on specific assignments as well as multi-million dollar open-end contracts.

Exists to Provide Better Services
WRC Consulting Service, Inc. (WRC) offers extensive knowledge and experience in watershed management, flood protection, erosion/sedimentation control, and resources preservation. WRC provides turnkey services including technical analysis, planning, documentation, permitting, preliminary and final design, and construction support. WRC Principals have participated in several noteworthy water resources projects such as the Talbert Channel Ocean Outlet, the Santa Ana River Marsh, and the Seven Oaks Dam. WRC Principals were privileged to be part of the project management team for numerous U.S. Army Corps of Engineers' water resources and military projects.

WRC provides specialty services in hydrology/hydraulics, sedimentation and geomorphology, water quality management, and environmental documentation. WRC Principals developed many of the analytical and design procedures accepted by the Federal Emergency Management Agency, the U.S. Army Corps of Engineers, and the Federal Highway Administration, as well as numerous municipal governments. Our in-depth understanding of the fundamentals of the behavior of watershed and fluvial systems has led to the recommendation of innovative, feasible, and cost-effective design solutions. WRC has a track record of success in the approval of Floodplain Management Plans, Community Rating System Certification, FEMA Map Revisions, EIR/EIS, sand/gravel mining reclamation, stormwater management, and ecosystem restoration. We carry projects from the conceptual phase through plans and specifications to implementation and full operation.

At WRC, we think “outside of the box” by not relying solely on “hard-lined,” “one-dimensional,” “typical” standards. We savour concept development and share our state-of-the-art vision and creativity. WRC’s design staff has extensive experience working with landscape architects, structural architects, biologists, and ecologists on multi-use open-space management projects involving trails, parks, sports fields, vehicle access/parking, wetlands, open water, interpretive centers, flood control, bio-engineering erosion control, grade stabilization, and water quality improvement. Our in-depth knowledge of engineering and construction documentation further ensures that the creative solutions for landscape and recreation projects are practical to implement and lead to cost-effective, long-term maintenance.

Not only have we contributed to our clients’ timely delivery of engineering plans, specifications, and estimates, but we have also provided significant support for public meetings, encroachment permits, and environmental processing. We have saved our clients millions of dollars using our expertise in the integration of grading, drainage, erosion control, and stormwater pollution prevention.

WRC staff members have a diversified background in civil engineering design and construction projects. Our design staff have participated in various site development and public works improvement projects for transportation, drainage, flood control, erosion/sedimentation control, recreation, water/wastewater supply and conveyance, and environmental enhancement. Our reputation was built upon our specialized experience in projects with significant constraints which involved technical challenges, costly infrastructures, complicated encroachment permitting, and environmental sensitivity. We pride ourselves on our innovative strategies that often lead to cost reduction in construction and maintenance; better management of flood, erosion, and pollution hazards; and higher standards of infrastructure sustainability.

WRC staff members have consistently delivered design products on time and of a quality exceeding standard requirements. We have successfully completed projects without overrun, even with unforeseeable design and permitting issues. This is largely attributed to the attention given by our professional experts, stringent QA/QC, and our flexibility in responding to unexpected challenges that arise. Understanding the planning process and environmental sensitivity needs, WRC has supported our clients with the most defensive solutions for long-term, high-quality performance.
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CIVIL ENGINEERING

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