WRC CONSULTING SERVICES, INC.

Water Resources

Recreational Facilities

Civil Engineering









A DBE, MBE, WBE & 8(a) FIRM



Centrally located in 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".

WRC staff members are experienced in concept planning, preliminary/final design, construction documentation, and engineering support for water resources and infrastructure projects. In addition, we 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 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 multimillion dollar open-end contracts.

Exists to Provide Better Services





Hydrology Studies . Hydraulic Analyses . Open Channel Improvement Plans . Storm Drain Pipe/Culvert Improvement Plans . Storm Runoff Pump Stations . Flood Control Detention Basins . Debris Control Basins . Bridge Hydraulic Design and Foundation Protection . Erosion Control and Slope Protection . Wetlands Drainage Design . Water Quality BMP Facilities Design . Master Drainage Plans . Sand/Gravel Mining Plans

WATER RESOURCES

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 Revision, 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.



Class I and II Bike Trails . River Corridor Multi-Use Trails . Regional Parks - Civil Engineering Plans . Community Parks - Civil Engineering Plans . Theme Parks - Civil Engineering Plans . Civil Engineering Plans

RECREATIONAL FACILITIES

At WRC, we think "outside of the box" by not relying solely on "hard-lined," "one-dimensional," "typical" standards. We savor 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.



Highway, Toll Road, and Interchange Improvements . Street Improvement Plans . Pavement Rehabilitation . Water and Sewer System Master Plans (network analysis) . Water and Sewer Improvement Plans . Water and Sewer Pump Station Design . Commercial, Residential, and Institutional Development - Civil Engineering Plans

CIVIL ENGINEERING

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.



Contact:

Lan Weber, Ph.D., P.E. Iweber@wrcinc.net www.wrcinc.net