



CARLOS A. RAMIREZ

Education:

M.S., Civil Engineering/California State University, Fullerton

B.S., Civil Engineering/California State University, Fullerton

Experience:

Eleven years experience in the design of sewer systems, water systems, groundwater and soil remediation, and report preparation. Responsibilities as a Senior Engineer include master planning, design and construction management of booster pump stations, water storage reservoirs, sewage lift stations and water treatment plants.

Projects

City of Chino Hills' Pine Valley Estates, Chino Hills, CA:
Project Engineer for City of Chino Hills Pine Valley Estates Sewer Lift Station in Chino Hills, CA. This ongoing project included preparation of design plans and specifications for a 35 foot deep precast wet well and two submersible sewage pumps, piping, valving, metering, odor control, MCC, standby engine generator, electrical, telemetry and controls for a new development within the City. The total construction cost is \$1.9 million.

Katella Avenue Sewer Design, City of Anaheim, CA: Engineer for the design of approximately 1-¼ miles of 15-inch VCP sewer pipeline that replaced existing City sewers that were undersized. The alignment made connections to the Garden Grove Sanitary District system and traversed through unincorporated areas of the County of Orange. In addition, this project was scheduled to be constructed with the Katella Avenue Smart Street Project for both the City of Anaheim and the County of Orange. These unique design tasks required the close collaboration and coordination with multiple agencies and design consultants.

City of Anaheim Sanitary Sewer Peer Review, City of Anaheim, CA: The Project involved the review and recommendation of the cities sanitary sewer system. Responsibilities included reviewing Closed Circuit Television Videos of the cities sewers and verified design recommendations.

2005-06 Sanitary Sewer Improvements, City of Palos Verdes Estates, CA: The Project involved the rehabilitation of approximately 50,000 lf of vitrified clay pipe(VCP), Responsibilities included researching available information and generating detailed drawing and spreadsheets.

2004-05 Sanitary Sewer Improvements, City of Palos Verdes Estates, CA: The Project involved the rehabilitation of approximately 20,000 lf of vitrified clay pipe(VCP), Responsibilities included researching available information and generating detailed drawing and spreadsheets.

2003-04 Sanitary Sewer Improvements, City of Palos Verdes Estates, CA: The Project involved the rehabilitation of approximately 3,400 lf of vitrified clay pipe (VCP), the replacement of approximately 370 lf of 6 inch VCP on Easements in Private Lots. Responsibilities included researching available information and generating detailed drawing and spreadsheets.

Arroyo Trabuco Golf Course, Mission Viejo, CA: The Project involved the design of approximately 3,700 lf of 3inch sewer force main, 2,600 lf of 4 inch sewer main, 6,600 lf of PVC domestic water line, a creek diversion structure, and a pumping well design used to fill an existing lake.

Concrete Sewer Rehabilitation Program, City of South Gate, CA: The Project involved the rehabilitation of approximately 230,000 lf of concrete sewer in the City of South Gate. Responsibilities included researching available information and generating detailed drawing and spreadsheets. Meet with City Staff on a regular basis to coordinate work.

Emergency Concrete Sewer Repair Project, City of South Gate, CA: The Project involved the replacement of approximately 600 lf of 8"concrete sewer with 8" VCP pipe, Abandon and backfill of approximately 2,200 lf of 8" and 10"concrete sewer, Lining of approximately 420 lf of 10" concrete sewer pipe, and Abandon city manholes. Responsibilities included researching available information and generating detailed drawing.

Honeywell Sewer Line 2001, City of Torrance, CA: The project involved design of a sewer main for the Honeywell Project in the City of Torrance, California. Approximately 3,700 linear feet of 8-inch and 10-inch piping was required. The design was per City of Torrance Standards and Los Angeles County Department of Public Works Design Standards. Responsibilities included assisting in the design and preparation of construction documents for the Sewer Piping.

Industry Urban Development Agency, Trunk Sewer Relocations, City of Industry, CA: The project involved design for two separate LACSD trunk sewers in support of Grand Crossing Project in Industry, California. Approximately 8,000 lf of 30-inch to 48-inch relocated piping was required (VCP and RCP). Three custom junction structures also designed. All design prepared per LACSD standards. As Staff Engineer assisted in the design of the relocation of the Sewer Piping.

Recycled Water Supply System Project, City of San Juan Capistrano, CA: Engineer for design and construction of approximately 7,530 linear feet of 12-inch PVC Recycled Water line and 1,660 linear feet of Domestic Water line, and

included a Metering vault for the connection to the 12-inch Moulton Niguels Water District Line.

Mission Trail Transmission Main Replacement, Elsinore Valley Municipal Water District, Lake Elsinore, CA: Engineer for design and construction of approximately 8,000 linear feet of 24-inch Ductile Iron Pipe to replace an existing 24-inch PVC line that had a history of multiple pipeline failures.

Pacific Point Development — Booster Pump Station, Sun Cal Companies, San Juan Capistrano, CA: The project involved preliminary design report to evaluate the most feasible way to provide water facilities for the development and adjacent existing development. Assisted with the design of the potable water booster pump station.

City of Tustin, Tustin MCAS Redevelopment, CA: The project included the design of 1,700 linear feet of domestic water piping, 8-18 inches; 8,350 linear feet of reclaimed water piping, 6-16 inches; and 11,300 linear feet of sewer piping, 8-18 inches. Assisted with the planning demolition of existing utilities and the construction of new utilities, as well as being involved in the design of these facilities. Keeping existing buildings in service was a key design consideration.

Fire Water Improvements for Fullerton College, Fullerton, CA: Engineer for design and construction of approximately 835 linear feet of 12-inch Ductile Iron Pipe, and 4,800 linear feet 8 to 10 inch PVC.

PCH 10-Inch By-pass Water Pipeline, Los Angeles County, CA: Engineer for design and construction of a by-pass water system consisting of three 10-inch water pipelines to serve as a by-pass to a larger pipeline, over a distance of approximately 3,500 LF in the Malibu area on Pacific Coast Highway.

Pacific Point Development – Interim Pipeline – McCracken Hill, Sun Cal Companies, San Juan Capistrano, CA: The project involved the design of an Interim pipeline to serve the McCracken Hill Area in San Juan Capistrano. Approximately 1,200 lf of 8" Aluminum piping was required to provide water service to the community. Assisted in the design of the interim potable water line.

Water and Sewer System Valuation, City of South Gate, CA: As Project Engineer assisted with the City of South Gate Water and Sewer System Valuation Report. Other responsibilities included researching available information and generating detailed spreadsheets.

Western Water Company, Olancho Water Development: This project included the feasibility and preliminary engineering for approximately 12,000 of 16-inch pipeline, four wells, and a connection to the Los Angeles Department of Water and Power, Owens Valley Aqueduct. Prepared exhibits for groundwater monitoring reports and for vegetation and habitat reports, as well as participated in the initial monitoring field study.

Santiago County Water District, Silverado, CA: Served as District Engineer for the client. Assisted with the preparation of the Standby Water Tax Assessment for fiscal years 1999, 2000, 2001, and 2002.

Employment History:

2007 to Present Senior Engineer, Steven Andrews Engineering

1998 to 2007 Civil Engineer, Psomas for 9 years

1996 to 1998 Civil Engineer, City of Santa Ana

Memberships:

American Society of Civil Engineers (ASCE)

The Society of Mexican American Engineers & Scientists (MAES)

Orange County Water Association (OCWA)

American Public Works Association (APWA)