RECEIVED
City of Rancho Palos Verdes
JUN 15 2015
PUBLIC WORKS DEPARTMENT

CITY OF RANCHO PALOS VERDES
PUBLIC WORKS DEPARTMENT

STATEMENT OF QUALIFICATIONS
FOR
ON-CALL LIST

JUNE 15, 2015

SA ASSOCIATES

DELIVERING VALUE ... COMMITTED TO EXCELLENCE

SA
ASSOCIATES

June 15, 2015

Mr. Ron Dragoo, Principal Engineer
City of Rancho Palos Verdes
Public Works Department
30940 Hawthorne Boulevard
Rancho Palos Verdes, CA 90275-5391

Attention: Pam Mitchell, Administrative Staff Assistant

Subject: Statement of Qualifications for On-Call Services

Dear Mr. Dragoo:

In accordance with your Request for Qualifications, we are pleased to submit our qualifications to provide On-Call Engineering Services for Public Works Department.

SA Associates was established in May, 1989, and is a principal-owned engineering firm with services specializing in planning, design, program management, construction management, and inspection. We provide complete civil engineering services for municipalities, public and private water agencies, sanitary districts, and flood control districts. We are committed to engineering excellence and principal involvement. The size of our firm allows us to provide personalized service to our clients.

SA Associates is classified as a Disadvantaged Business Enterprise (DBE) by Caltrans and other agencies. We are also classified as a Minority Business Enterprise (MBE) and Small Business Enterprise (SBE) by local, state, and federal agencies.

SA Associates has extensive experience in design and construction of water, sewer, storm drain, and street facilities. We have been responsible for the design and construction of over 33 miles of streets for a construction cost of approximately $81 million, over 162 miles of sewer and storm drain lines for a construction cost of approximately $40 million, and over $110 million of construction management and inspection projects.

We provided construction inspection services on an as-needed basis to the City of Rancho Palos Verdes from 1997 to 2003 and from November of 2013 to May of 2014. We also provided construction management and construction inspection services for the City's FY 2001-02 Residential Street Overlay and Slurry Seal Project. During that time, we have developed a good working relationship with the City and inspected a variety of projects. In addition, we prepared the Infrastructure Report Card in 2014. We are, therefore, very familiar with the policies, procedures, and personnel of the City.

We would like to be considered for Design, Construction Management, and Inspection opportunities.

We thank you for the opportunity and hope our proposal meets your interest and approval. Should you have any questions or require any further information, please do not hesitate to contact the undersigned.

Very truly yours,

Shahnawaz Ahmad

Shahnawaz Ahmad, P.E.
President
sahmad@saassociates.net

enclosures:

TABLE OF CONTENTS

TRANSMITTAL LETTER

SECTION I: COMPANY BACKGROUND

SECTION II: RELATED EXPERIENCE

- ON-CALL SERVICES
- STREET AND PARK PROJECTS
- SEWERS
- DRAINAGE
- CONSTRUCTION MANAGEMENT AND INSPECTION

SECTION III: PROJECT TEAM AND RESUMES

SECTION IV: HOURLY CHARGE RATE AND EXPENSE REIMBURSEMENT SCHEDULE

SECTION I: COMPANY BACKGROUND

INTRODUCTION TO SA ASSOCIATES

SA Associates is classified as DBE, MBE and SBE by local, state and federal agencies

SA Associates was established in May, 1989 as a principal-owned engineering firm with offices in Los Angeles and Orange Counties. SA Associates is a California Corporation and "SA Associates" is our full legal name. SA Associates services cover a broad spectrum of engineering from investigation and feasibility reports to design, construction administration, and construction observation. The firm provides complete civil engineering services for municipalities, public and private water agencies, sanitary districts, and flood control districts. SA Associates is classified as a Minority Owned Business Enterprise (MBE), Disadvantaged Business Enterprise (DBE), and Small Business Enterprise (SBE) by local, state, and federal agencies.

Our main fields of specialty are:

- Construction Management and Construction Inspection Services
- Civil Engineering
- Water Supply Projects
- Wastewater Facilities Projects
- Feasibility Studies
- Survey Services
- Flood Control and Drainage Projects

Mr. Shahnawaz Ahmad is the primary contact and the authorized signatory on behalf of the firm. Please contact Mr. Ahmad at sahmad@saassociates.net.

Our office locations are as follows:

CORPORATE OFFICE	ORANGE COUNTY OFFICE
1130 West Huntington Drive, Unit 12 Arcadia, CA 91007 Tel: 626.821.3456 Fax: 626.445.1461	1661 N. Raymond Ave, Suite 100 Anaheim, CA 92801 Tel: 714.871.9083 Fax: 714.871.3652

BACKGROUND EXPERIENCE

SA Associates has been providing services in the Southern California area since 1989. Our experience was gained through providing these services to several cities and agencies in the greater Los Angeles area throughout the past 31 years. All of SA Associates completed (or currently ongoing) projects are for public agencies. Our team of engineers and professionals are aware of the requirements of most public agencies and are familiar with public procedures.

We are proud to say we continue to provide services for repeat Clients. This indicates we are providing quality services on time and within budget.

The following is a list of selected clients SA Associates has worked with:

Partial Client List - SA Associates			
City of Alhambra	City of Duarte	City of Moreno Valley	City of Torrance
City of Anaheim	City of Diamond Bar	City of Murrieta	City of Tustin
City of Arcadia	City of Glendale	City of Norwalk	City of Whittier
City of Azusa	City of Glendora	City of Pasadena	City of Yucaipa
City of Baldwin Park	City of Hawaiian Gardens	City of Pico Rivera	CA Dept. of Corrections
City of Bellflower	City of Hermosa Beach	City of Pomona	Crescenta Valley WD
City of Beverly Hills	City of Huntington Park	City of Rancho Palos Verdes	East Pasadena Water Co.
City of Burbank	City of Inglewood	City of Rialto	Elsinore Valley MWD
City of Carson	City of Irvine	City of Riverside	Irvine Ranch Water District
City of Cerritos	City of Irwindale	City of San Bernardino	Kinneloa Irrigation District
City of Chino	City of La Habra	City of San Dimas	L.A. County Parks & Rec.
City of Chino Hills	City of La Palma	City of San Fernando	L.A. County Public Works
City of Colton	City of La Verne	City of Santa Monica	Long Beach Water Dept.
City of Commerce	City of Loma Linda	City of Sierra Madre	L.A. County Comm. Dev.
City of Compton	City of Lomita	City of Simi Valley	Mesa Water District
City of Covina	City of Lynwood	City of South Gate	San Diego Co. Water Auth
City of Culver City	City of Manhattan Beach	City of South Pasadena	West Basin MWD
City of Cypress	City of Mission Viejo	City of Thousand Oaks	Veolia Water Services

QA/QC Program

It is the goal of SA Associates to present clients with a superior design product and responsive service. We are aware we can only continue to grow and remain a viable influence in the consulting engineering profession if we produce an excellent product. That's why we have established "excellence in engineering" as our credo.
To achieve that, a sound company policy that emphasizes technical strength, professional conduct, efficiency and communication is applied to each project. This policy is the bases of our Quality Assurance/ Quality Control Program

To ensure quality, a uniform review and checking procedure for all completed projects is adopted. This procedure ensures all work is reviewed and checked prior to submitting it to the client. Each member of our team makes it his/her responsibility to perform the services the best way possible, and to ensure that what is stated in writing or shown on drawings is correct, cost effective, and in conformance with SA Associates' standards.

Since the date it was established, SA Associates has had an enviable record of doing its job well and is determined to maintain that record through the continuous Quality Assurance / Quality Control Procedures

Cost Control

SA Associates' staff performs at a level of proficiency that minimizes redundant or unnecessary activity. Meeting deadlines and attention to detail are primary objectives. Cost control is exercised with the same importance dedicated to technical problem solving.

Staff engineers apply value analysis/investigation techniques in a systematic approach to obtain optimal value for any marginal cost increase. The result of this approach is to lower total and life cycle costs without sacrificing quality, performance, or reliability.

Project costs are reviewed on weekly basis by the Project Manager. These costs are reviewed against the budget and schedule. The effort required to complete the project is estimated. In this way, if the budget is close to being exceeded, steps can be taken to remedy the situation.

SECTION II: RELATED EXPERIENCE

RELATED EXPERIENCE: ON-CALL PROJECTS

SA Associates has provided on-call services for the following Clients: City of Anaheim, City of Azusa, Crescenta Valley Water District, City of Irvine, Kinneloa Irrigation District, City of La Palma, Long Beach Water Department, Mesa Water District, County of Los Angeles, City of Moreno Valley, City of Murrieta, City of Norwalk, City of Rancho Palos Verdes, City of Riverside, City of San Bernardino, City of Torrance, and City of Yucaipa.

CITY OF ANAHEIM

Provided professional on-call services for a three-year period and are currently under contract for a 4th three-year period. The projects to be assigned include water pipeline design to support the Public Utilities Department's Engineering Division Capital Improvement Program.

CITY OF AZUSA

Currently providing miscellaneous inspection for various housing developments and electrical inspection for the new Goldline Alameda Parking Structure.

CRESCENTA VALLEY WATER DISTRICT

Provided As-Needed On-Call Consulting Services. The first project is preparation of a Recycled Water Feasibility Study for Two-Strike Park.

CITY OF GLENDALE

Currently providing Inspection Services for on-call electrical projects in the City including Glendale Ave. Wastewater Capacity & Street Improvement, Canada Blvd. Infrastructure Improvements & Honolulu Blvd. Rehabilitation, Arden Ave. Rehabilitation, San Fernando Rd. Lighting Project, Wilson Streetlight & Traffic Signal upgrades, Doran/Central Development, Upcoming projects will be Colorado Blvd. Parking Lot 10, and Verdugo Rd./Honolulu Ave. Intersection.

CITY OF IRVINE

SA Associates was contracted by the city of Irvine, to provide professional on-call engineering services for:
- Pavement Rehabilitation, Project Management, Construction Management and Inspection Services for a three year period (2010 – 2013)
- Civil Engineering Design and Design Plan Check/Street Improvement Plan Check Services for one year period (2013)

We were also under contract to provide On-Call Construction Management and Inspection Services for from 2007 - 2010

CITY OF MANHATTAN BEACH

SA Associates was selected to provide On-Call Utility Design Services for water, sewer, and storm drain projects for a two year term through May 4, 2017.

CITY OF NORWALK

SA Associates was selected to provide On-Call Construction Management and Inspection Services for a 6-year term through June 30, 2021.

CITY OF MORENO VALLEY

SA Associates was contracted by the city of Moreno Valley to provide Professional Consultant Services in the following categories:
- Civil Engineering Design
- Construction Management and Peer Review Services
- Contract Administrative Professional Services
- Project Management Services

These contracts were for a term of one year.

YEAR COMPLETED:	2013
CONSTRUCTION COST:	Various
PROJECT MGR.:	Deepak Solanki

Project Management services to the city of Moreno Valley for the Capital Projects Division
Provided Project Management services to the city of Moreno Valley for the Capital Projects Division. One engineer is assigned full time to City Hall to serve as an extension of City Staff to assist in a variety of street projects. Current projects include the following:

- Infill Project	- Main Library
- Frederick Median	- Fire Station No. 58
- Civic Center Site	- Emergency Operations Center
- Iris Avenue Sidewalk	- Fire Station Exhaust System
- Sheila Street Improvements	- PSB Expansion
- Aqueduct Bikeway	- Neighborhood Park
- Street Improvement Program	- Fire Station No. 110 Request for Proposal
- 5 Year Capital Improvement Report	- Misc. Fire Station Requests for Proposal

City of Pomona

SA Associates is currently contracted by the city of Pomona to provide professional on-call engineering services for the following categories:
- Civil Engineering Design
- Project Management
- Construction Inspection

These contracts are for a term of three years through October 31, 2017

City of Rancho Palos Verdes

Year Completed:	2014
Construction Cost:	Various
Project Mgr.:	Shahnawaz Ahmad
Engineer:	Phillip West
Inspector	Rocky Hale

As Needed Construction Inspection Services. Provided public works inspection including sewers, storm drains, curb and gutter, sidewalks, and utilities.

City of San Bernardino

SA Associates is currently contracted by the city of San Bernardino, to provide On-Call Construction Management and Inspection Services for Public Works Projects for one year June 2012 to June 2013 and was extended for one year to June 30, 2014 and extended again until June 30, 2015 with a provision that two additional years may be authorized.

City of Yucaipa

SA Associates is currently contracted by the city of Yucaipa, to provide On-Call Project Coordination and Inspection Services for Various Public Works Projects for Fiscal Years 2012/2013 and 2013/2014

Relevant Experience: Street and Park Projects

City of Manhattan Beach

Year Completed:	2005
Construction Cost:	$400,000
Project Mgr.:	Shahnawaz Ahmad

Civic Center/Metlox Street Improvement Project
Prepared plans and specifications for the. This project consisted of street improvements design along several streets within the City of Manhattan Beach. The work included pavement grinding, overlay, and capping; new stairway and catch basin; and street widening.

City of Azusa

Year Completed:	2014
Construction Cost:	$400,000
Project Mgr.:	Shahnawaz Ahmad
Engineer.:	Phillip West

Gladstone Elementary Safe Routes to School Project
Prepared preliminary plans for the Gladstone Elementary Safe Routes to School Project. The project involved base plans showing cut-sheets, elevations, cross sections, etc. from which the City would plan the remainder of the project.

CITY OF BALDWIN PARK

YEAR COMPLETED:	Various
CONSTRUCTION COST:	Various
PROJECT MANAGER:	Shahnawaz Ahmad
ENGINEERS:	Randy Seto, Deepak Solanki, Sam Nabbout, Phillip West

Improvement of Olive Street

Preparation of plans and specifications for improvement of Olive Street from west of Merced Avenue to Maine Avenue for approximately 4,000 feet. The project entailed grinding 2 inches A.C. for the entire width of the street and overlaying with 3 inches A.C. The work also included traffic striping, repair of curb and gutter, modification of driveways, and providing handicapped ramps.

Rehabilitation of Athol Street, Monterey Avenue, and Cavette Place

Project involved the preparation of plans and specifications for street n. Plan and profile drawings were prepared for three streets, Athol Street, Monterey Avenue, and Cavette Place for a total of approximately 3,100 feet. The work consisted of removal and disposal of existing asphalt concrete pavement and replacing it with a new 3" A.C. pavement over existing aggregate base.

Rehabilitation of Several Streets

Preparation of plans and specifications for rehabilitation of approximately 12,900 feet of streets. Plan of profile drawings were prepared for twelve streets. The work consisted of removal and disposal of existing asphalt cement pavement and replacing with a new 2" A.C. pavement with fabric over existing aggregate base, or 4" A.C. pavement over existing aggregate base.

Rehabilitation of Athol Street, Fairgrove Street, and Nubia Street

A fifth project included three streets, Athol Street, Fairgrove Street, and Nubia Street, with an approximate length of 6,000 feet. The work included replacing existing A.C. pavement with 4" of new asphalt concrete pavement and new 4" crushed aggregate base. The work also included traffic striping, repair of curb and gutter, modification of driveways, and providing handicapped ramps

Reconstruction of approximately 4,000 feet of Streets on Fairgrove Street, Mangum Street, and La Rica Avenue

Preparation of plans and specifications for reconstruction of approximately 4,000 feet of streets on Fairgrove Street, Mangum Street, and La Rica Avenue. The work involves reconstruction of 3" asphalt over a 4" aggregate base. The plans will locate necessary repairs/alterations to the existing PCC improvements in the sidewalk, curbs and/or gutters, cross gutters, and driveways. The work also included traffic striping, modifications of driveways, and providing handicapped ramps.

Evaluation of Arterial and Collector Streets for the City's Pavement Management System (PMS).

Evaluation of arterial and collector streets for the City's Pavement Management System (PMS). The information was input into the City's existing PMS database in Microsoft Access. The work included driving City streets and determining the condition of various street segments. A Pavement Distress Data Form was completed for each segment. Damaged and/or missing sidewalk and curb and gutter were also included.

CITY OF HAWAIIAN GARDENS

YEAR COMPLETED:	2007
CONSTRUCTION COST:	$150,000
PROJECT MGR.:	Shahnawaz Ahmad
ENGINEERS.:	Sam Nabbout, Phillip West, Deepak Solanki

Safe Route to School - Fedde Middle School Improvement Project

Prepared plans and specifications and provided construction management and inspection services for the City's Safe Route to School - Fedde Middle School Improvement Project. We provided street improvement plans around Fedde Middle School and the intersections adjacent and near the school.

CITY OF LOMITA

YEAR COMPLETED:	2006
CONSTRUCTION COST:	$50,000
PROJECT MGR.:	Shahnawaz Ahmad
ENGINEERS.:	Sam Nabbout, Phillip West, Deepak Solanki

City Alleyway Reconstruction Project

Prepared plans and specifications for the City Alleyway Reconstruction Project. This project consisted of providing engineering services for alleyway reconstruction, approximately 300 feet long, and 15 feet wide. The work included Clearing and Grubbing; A.C. pavement , P.C.C. gutters, and any alley improvement deemed necessary to provide a complete reconstructed and resurfaced pavement, with adequate drainage.

CITY OF POMONA

YEAR COMPLETED:	2006
CONSTRUCTION COST:	$1,280,000
PROJECT MGR.:	Shahnawaz Ahmad
ENGINEERS.:	Sam Nabbout, Phillip West, Deepak Solanki

Rehabilitation of Reservoir Street from Mission Boulevard to County Road

Prepared plans and specifications for the rehabilitation of Reservoir Street from Mission Boulevard to County Road; approximately 10,560 lineal feet, and Ellen Place from Reservoir Street to Marquette Avenue; approximately 530 lineal feet. The work included pavement rehabilitation and pavement overlay; adjustment of utilities to grade; striping; repair and construction of broken and missing sidewalks, curbs, gutters, pedestrian access ramps at street intersections and street lights.

YEAR COMPLETED:	2005
CONSTRUCTION COST:	$300,000
PROJECT MGR.:	Shahnawaz Ahmad
ENGINEERS.:	Sam Nabbout, Deepak Solanki

Construction of missing and/or broken sidewalk and ADA ramps on Mountain View Avenue

Preparation of plans and specifications for the construction of missing and/or broken sidewalk and ADA ramps on Mountain View Avenue from Phillips Boulevard to Grand Avenue; approximately 1,320 lineal feet. The work also included a portion of Grand Avenue, approximately 200 feet, at the intersection of Grand Avenue and Mountain View Avenue

CITY OF SAN DIMAS

YEAR COMPLETED:	2011
CONSTRUCTION COST:	$2,970,000
PROJECT MGR.:	Shahnawaz Ahmad
ENGINEERS.:	Deepak Solanki, Phillip West

Rehabilitation of San Dimas Canyon Road

Prepared plans and specifications for approximately 3,000 feet for the Rehabilitation of San Dimas Canyon Road from Foothill Boulevard to Romola Avenue for the city of San Dimas. The work includes removal and replacement of existing AC with 4" AC and 6" Class A Crushed Aggregate Base (CAB). All non-compliant handicapped ramps within the project limits to be replaced to comply with ADA.

YEAR COMPLETED:	2007
CONSTRUCTION COST:	$900,000
PROJECT MGR.:	Shahnawaz Ahmad
ENGINEERS.:	Deepak Solanki, Sam Nabbout, Phillip West

Foothill Boulevard Street Resurfacing and Pavement Restoration Project
Prepared plans and specifications for the Foothill Boulevard Street Resurfacing and Pavement Restoration Project. This project consisted of resurfacing and pavement restoration of Foothill Boulevard from Cataract Avenue to approximately 300 feet east of San Dimas Canyon Road in the city of San Dimas. The total length is approximately 5,800 lineal feet. The work included pavement rehabilitation and pavement overlay; adjustment of utilities to grade; striping; repair and construction of broken and missing sidewalks, curbs, gutters, pedestrian access ramps at street intersections; and replacement of survey monuments.

CITY OF SOUTH PASADENA

YEAR COMPLETED:	2013
CONSTRUCTION COST:	$200,000
PROJECT MGR.:	Phillip West
ENGINEERS.:	Phillip West

South Pasadena Arroyo Park Playground:
Provided engineering services for preparation of a Construction Specification Manual and Site Plan for the Arroyo Park Playground Improvements project. The project is located just north of the Pasadena Freeway and is bounded to the north by baseball fields, to the south by soccer/softball fields, to the west by the Pasadena Drainage Channel, and to the east by a hillside. The project site consists of multiple large maple trees while the rest of the park site is clear of trees for recreational activities. Design elements to consider included sloping of the site, protection of utilities, and prevention of flooding from runoff. The project consisted of removing the existing playground equipment and installing new playground equipment and swing area, west of the existing location. Grading and drainage was evaluated. The work also includes paving and restriping of the parking lot.

CITY OF LA PALMA

YEAR COMPLETED:	Various
CONSTRUCTION COST:	Various
PROJECT MGR.:	Shahnawaz Ahmad

Various City streets SA Associates was responsible for the preparation of the specifications for slurry sealing of various City streets. The project also included removal and replacement of AC pavement & crack sealing.

Reconstruction of Moody Street SA Associates also provided support services during construction to the City for the reconstruction of Moody Street from Sharon Drive to Orangethorpe Avenue and for Orangethorpe Avenue from Moody Street to the Coyote Creek Channel. This was a joint project with the city of Cerritos.

Rehabilitation of Thelma Avenue Support services during construction were also provided to the city of La Palma for the rehabilitation of Thelma Avenue from Walker Street to Valley View Avenue. Coordination was maintained during this project with the city of Buena Park.

RELEVANT EXPERIENCE: SEWERS

CITY OF BALDWIN PARK

YEAR COMPLETED:	2010
CONSTRUCTION COST:	$600,000
CONSTRUCTION MGR.:	Shahnawaz Ahmad

City's Syracuse Storm Drain Project
Provided construction management and inspection services for the City's Syracuse Storm Drain Project. The project involved federal funding and labor compliance. The project consisted of the installation of 2,250 linear feet of reinforced concrete pipe, manholes, catch basins, transition structures, and connector pipes, cross gutter, curb, gutter, sewer laterals, paving, and striping. Responsible for attending the pre-construction meeting; reviewing contractor(s) submittals, responding to RFIs, reviewing and preparing CCOs; supervising labor compliance and monitoring services; recommending progress invoice payments to the City; coordinating field inspection, material acceptance/testing, traffic control and lane closures; final job walk and preparation of the punch list.

YEAR COMPLETED:	1992
CONSTRUCTION COST:	$200,000
PROJECT MGR.:	Shahnawaz Ahmad

800 feet of 8-inch Diameter Sewer

Design of approximately 800 feet of 8-inch diameter sewer from Merced Avenue along Ohio Street, Kenmore Avenue, and private property to Walnut Street. This sewer to be financed through an assessment district to serve several residences.

CITY OF CYPRESS

YEAR COMPLETED:	2005
CONSTRUCTION COST:	$300,000
PROJECT MGR.:	Shahnawaz Ahmad
ENGINEER:	Sam Nabbout
DESIGNER:	Randy Seto

Modification of Sewer System at the Intersection of Lincoln Avenue and Moody Street

Prepared plans and specifications for Modification of Sewer System at the Intersection of Lincoln Avenue and Moody Street. The work includes analysis of existing sewer system capacity, new sewer mains, and new manholes.

CITY OF HERMOSA BEACH

YEAR COMPLETED:	2003
CONSTRUCTION COST:	$1,200,000
PROJECT MGR.:	Shahnawaz Ahmad
ENGINEER:	Deepak Solanki

Reconstruction/rehabilitation of a sewer on Pacific Coast Highway between 24th Street and Gould Avenue

The work included removal and replacement of the existing 8-inch concrete sewer. A portion of the sewer was rehabilitated using Insituform. Plans and specifications were prepared.

YEAR COMPLETED:	2003
CONSTRUCTION COST:	$570,000
PROJECT MGR.:	Shahnawaz Ahmad
ENGINEER:	Sam Nabbout
DESIGNER:	Randy Seto

Sewer Reconstruction for the City's Loma Area Improvements Project

Preparation of plans and specifications for approximately 2,679 feet of sewer reconstruction for the City's Loma Area Improvements Project.

CITY OF IRWINDALE

YEAR COMPLETED:	2010
CONSTRUCTION COST:	$200,000
CONSTRUCTION MGR.:	Shahnawaz Ahmad

Martin Road Sewer Lift Station Project

Provided construction management and inspection services for the Martin Road Sewer Lift Station Project for the City of Irwindale. This project included the construction of a replacement sewer lift station to replace the existing deteriorated wet well sewer pump station.

CITY OF LA HABRA

YEAR COMPLETED:	2004
CONSTRUCTION COST:	$1,500,000
PROJECT MGR.:	Shahnawaz Ahmad
ENGINEER:	Sam Nabbout
DESIGNER:	Randy Seto

Rehabilitation of Two Mobile Home Parks in the City of La Habra

Preparation of plans and specifications for the rehabilitation of two mobile home parks in the city of La Habra. The work includes drainage, sewer, water, and pavement rehabilitation. Drainage work included evaluation of sump pump, curb and gutter, system capacity, and determination of properties that are subject to flooding during rainy seasons. Sewer work involves reviewing the sewer report and replacing sewer laterals, mainline, and cleanouts. The water work encompasses the installation of 6,000 feet of 8-inch PVC pipe, 300 pressure reducing valves, and two 8-inch water master meters. Streets will be cold milled and overlaid at both parks.

CITY OF LYNWOOD

YEAR COMPLETED:	2009
CONSTRUCTION COST:	$500,000
PROJECT MGR.:	Shahnawaz Ahmad
ENGINEER:	Phillip West

Sewer Main Replacement Project in the Intersection of Imperial Highway and Long Beach Boulevard

Prepared plans and specifications for a sewer main replacement project in the intersection of Imperial Highway and Long Beach Boulevard. The project includes the design of 8-VCP to replace an existing 8-inch sewer. Total length of replacement for the project is approximately 400 feet. Construction Cost: $500,000

CITY OF NORWALK

YEAR COMPLETED:	2008
CONSTRUCTION COST:	$150,000
PROJECT MGR.:	Shahnawaz Ahmad
ENGINEER:	Phillip West

Replacement of the Pumps at the Curtis & King Sewer Lift-Station

Preparation of plans for: the replacement of the pumps at the Curtis & King sewer lift-station. The project included both civil and electrical aspects. The work consisted of removing and replacing two 18-yr-old pumps at the end of Curtis & King road.

CITY OF POMONA

YEAR COMPLETED:	2011
CONSTRUCTION COST:	$3,500,000
PRINCIPAL-IN-CHARGE:	Shahnawaz Ahmad
PROJECT MGR.:	Peter A. Heye
INSPECTOR	Eric Schoenen

Three (3) Contracts associated with the City's FY 2008-09 Water & Sewer CIP

Provided construction management services for 3 contracts associated with the City's FY 2008-09 Water & Sewer CIP. The projects included Phillips Ranch Water Service Laterals, Potable and Recycled Water Fire Hydrants, and Flush Tank/Lampholes Replacement and New Manholes.

YEAR COMPLETED:	2012
CONSTRUCTION COST:	$204,000
PRINCIPAL-IN-CHARGE:	Shahnawaz Ahmad
CONSTR. MGR./INSPECTOR	Eric Schoenen

Sewer Replacement D Project No. 586-86018

Provided construction management and inspection services for Sewer Replacement D Project No. 586-86018. Project included replacement of 772 linear feet existing VCP with VCP (facility replacement), remove and replace 120 linear feet existing VCP with VCP (point replacement). Project was comprised of three (3) sewer main replacements; 316 linear ft at 12 ft deep, 256 linear ft at 9.5 ft deep, and 200 LF at 7' deep. It also included nine (9) Sewer main spot repairs; six (6) at 10 linear ft, depth range between 8 ft to 12 ft and three (3) at 20 linear ft, depth 7.5ft, 10 ft and 7.8ft.

YEAR COMPLETED:	2002
CONSTRUCTION COST:	$2,300,000
CONSTRUCTION MGR.:	Shahnawaz Ahmad
INSPECTORS:	Boytrese Osias

Sewage Pump Station No. 3

Construction Management and Inspection Services for replacement of Sewage Pump Station No. 3. The work included construction of a below grade pump room and wet well, an above ground generator building, 2,000 feet of 10" gravity sewer line, 400 feet of 21" gravity sewer line, relocation of 20" water main, replacement of approximately 50,000 square feet of concrete street, and miscellaneous connections. Change orders were less than 4%.

CITY OF SOUTH PASADENA

YEAR COMPLETED:	2012
CONSTRUCTION COST:	$620,000
PROJECT MGR.:	Shahnawaz Ahmad
INSPECTOR:	Eric Schoenen

Sewer Improvements on Arroyo Drive, Huntington Drive, Marengo Avenue, and Meridian Avenue.

SA Associates provided construction management and inspection services for the sewer improvements at four (4) locations (total of 4,174 ft) as follows: Arroyo Drive from Arroyo Square to Sterling Place (8-inch VCP, 1,632 ft), Huntington Drive from Wayne Avenue to Court Avenue (10-inch VCP, 440 ft), Marengo Avenue from Bank Street to Rollin Street (8-inch VCP, 131 ft), and Meridian Avenue from Rollin Street to Gillette Crescent South (8-inch VCP, 1,971 ft).

YEAR COMPLETED:	2000
CONSTRUCTION COST:	$200,000
CONSTRUCTION MGR.:	Shahnawaz Ahmad
INSPECTOR:	Jim Epperly

Sewer Repairs on Huntington Drive, Diamond Avenue, and Glendon Way

SA Associates provided construction inspection of various sewer repairs on Huntington Drive, Diamond Avenue, and Glendon Way. The work also included contract administration services and preparation of as-built drawings.

WEST BASIN MUNICIPAL WATER DISTRICT

YEAR COMPLETED:	2007
CONSTRUCTION COST:	$66,000
PROJECT MGR.:	Shahnawaz Ahmad
INSPECTOR:	Chuck Sihler

Anza Avenue Recycled Water Lateral at Sepulveda Boulevard

Provided construction management and inspection services for the Anza Avenue Recycled Water Lateral at Sepulveda Boulevard. This project is located in the city of Torrance and construction involves installation of approximately 200 feet of 6-inch diameter PVC recycled water pipeline on Anza Avenue at the Sepulveda Boulevard intersection. The work includes coordination meetings, daily inspection reports, coordination with the West Basin Municipal Water District (WBMWD) and other involved parties, coordination of shop drawing review, progress payment review, monitoring of schedule, change order review and processing, response to RFI's and RFC's, establishment of a punchlist, and start-up services.

YEAR COMPLETED:	1999
CONSTRUCTION COST:	$4,114,000
PROJECT MGR.:	Shahnawaz Ahmad
DESIGNER:	Randy Seto

Design of Brine Line for the Carson Regional Recycling Water Plant

SA Associates prepared plans and specifications for the design of approximately 27,000 feet of 14-inch brine line for the Carson Regional Recycling Water Plant. The work consists of the design of a brine disposal line extending from a new water reclamation plant to the Joint Water Pollution Control Plant operated by the Los Angeles County Sanitation Districts in the city of Carson.

YEAR COMPLETED:	1998
CONSTRUCTION COST:	$309,000
PROJECT MGR.:	Shahnawaz Ahmad
DESIGNER:	Randy Seto

El Segundo Lateral Project
SA Associates prepared plans and specifications for the design of approximately 5,900 feet of PVC/reclaimed water pipelines water mains for the El Segundo Lateral in the city of El Segundo

RELATED EXPERIENCE: DRAINAGE

CITY OF MANHATTAN BEACH

Civic Center-Metlox Street Improvement Project
Prepared plans and specifications for Civic Center-Metlox Street Improvement Project. This project included the construction of a new catch basin, storm drain manhole, 18" RCP storm drain line, 12" diameter SDR 35 P.V.C. storm drain line, curb and gutter, pavement overlay, curb ramp, v-gutter, sidewalk, and the relocation of signs, signal poles, and pull boxes.

CITY OF TORRANCE

Reconstruction of Alleys
Prepared plans and specifications for the reconstruction of approximately 20,000 feet of alleys. The work includes surveying, drainage, V-gutters, and AC pavement.

CITY OF ARCADIA

Deficiency Study of the Sewer and Drainage System
Prepared a deficiency study of the sewer and drainage system (system length of 145 miles). The work included preparation of alternative design solutions for each deficiency including concept plan, cost estimate, and written report. For the Sewer Master Plan, a hydraulic model data base for 222,000 feet of trunk sewer lines was prepared.

CITY OF BALDWIN PARK

Francisquito Avenue Storm Drain Project
Prepared plans and specifications for storm drain project that included approximately ¼ mile of mainline storm drain facilities and appurtenances on Francisquito Avenue between the Southern Pacific Railroad right-of-way and the Big Dalton Wash, and all necessary storm drain laterals that discharge into the mainline storm drain. This was a FAU-funded project.

CITY OF CALABASAS

Juan Bautista de Anza Park
Prepared plans and specifications for design of Juan Bautista de Anza Park in the city of Calabasas. The work included topographic survey, grading and drainage plans, utility plan, paving plan, specifications, and construction cost estimates. The park includes a nature/recreation center building, outdoor classroom, trail systems, group picnicking, play areas, a small water feature, low level lighting, access for the disabled, and parking. The work was performed for a landscape architect.

JET PROPULSION LABORATORY

Jet Propulsion Laboratory
Prepared a concept study for the Jet Propulsion Laboratory to determine the flood protection measures needed to protect Building 298 from potential damage caused by flooding and/or debris. Included in this study were the preliminary layout of debris basin and its costs.

CITY OF LA HABRA

Rehabilitation of Two Mobile Home Parks
Prepared plans and specifications for the rehabilitation of two mobile home parks in the city of La Habra. The work includes drainage, sewer, water, and pavement rehabilitation. Drainage work included evaluation of sump pump, curb and gutter, system capacity, and determination of properties that are subject to flooding during rainy seasons. Sewer work involves reviewing the sewer report and replacing sewer laterals, mainline, and cleanouts. The water work includes the installation of 6,000 feet of 8-inch PVC pipe, 300 pressure reducing valves, and two 8-inch water master meters. Streets are cold milled and overlaid at both parks.

CITY OF LA PALMA

Construction of Drainage Devices for the city of La Palma
Prepared plans and specifications for the Construction of Drainage Devices for the city of La Palma. The project consists of construction of drainage devices to intercept irrigation and reclaimed water and prevent ponding along Andrew Drive, Houston Avenue, and La Palma Avenue. The work included PVC laterals from sewer mains to gutters, catch basins with

metal grates, and caps to prevent flow of storm water into the sewer distribution system during the rainy season.

City Of Los Angeles

Sunset Plaza Drive and Evanview Drive Storm Drain
Prepared plans and specifications for the Sunset Plaza Drive and Evanview Drive Storm Drain in the Hollywood Hills area of Los Angeles. The storm drain alignment was selected after five alternatives were considered on costs, hydraulics, utility conflicts, and environmental concerns. The project included the preparation of plans and specifications for approximately 2,000 feet of storm drain, varying in size from 24-inch to 42-inch diameter. This was a FAU-funded project.

County Of Los Angeles

Flormount Drain
Prepared plans and specifications for the design of approximately 8,200 feet of the Flormount Drain for the County of Los Angeles in the City of Downey. The storm drain varied in size from 69 inches in diameter to 15' X 5' box. The project involved extensive utility relocation, public participation, and traffic control. The project was not constructed due to public opposition.

North Hollywood/Sun Valley area – Flooding Problems Concept Report
Prepared a concept report for the County of Los Angeles. This report investigated the flooding problems in the North Hollywood/Sun Valley area and recommended a phase construction of storm drain improvements.

Dexter County Park in the San Fernando area
Prepared plans and specifications for the County of Los Angeles Department of Parks and Recreation. It involved grading, drainage, paving, specifications, and construction cost estimates for the Dexter County Park in the San Fernando area. The park includes a recreation building, trail systems, group picnicking, play areas, access for the disabled, and parking. This work was performed for a landscape architect

City Of Monterey Park

Edgley Drive Improvement Project
Prepared plans and specifications for the Edgley Drive Improvement Project. This work included the design of approximately 1,000 feet street improvements and approximately 600 feet of storm drain improvements.

City Of Pomona

Price Street Storm Drain and Phillips Drive Sanitary Sewer
Prepared plans and specifications for the Price Street Storm Drain, Phillips Ranch Open Space Area Storm Drain, and Phillips Drive Sanitary Sewer, a total of approximately 3,000 feet. The project was located in hillside areas.

City Of San Dimas

Storm Drain on Juanita Avenue
Prepared plans and specifications for the design of approximately 2,900 feet of 24" through 51" diameter storm drain on Juanita Avenue from east of Valley Center to the end of Juanita Avenue. A hydraulic study for all areas tributary to the project was conducted. A MTD permit was also obtained from the Country of Los Angeles

Related Experience: Construction Management and Inspection Services

City of Azusa

Year Completed:	2010
Construction Cost:	$964,000
Construction Mgr.:	Shahnawaz Ahmad
Federal Fund Mgr::	Fred Alamolhoda
Inspector:	Mordecai Nickerson

Citrus Avenue Reconstruction Project
Provided construction management and inspection services for the Citrus Avenue Reconstruction Project, from Alosta Avenue north to the northerly city limits, approximately 2,500 feet. The work includes installation of new sidewalk, curb, gutter, ADA ramps, restriping of the entire length to match the existing striping, reinstallation of traffic loops, adjustment of water valves and manholes to final grade. **The work also included labor compliance services. The project was funded by the American Reinvestment and Recovery Act (ARRA).** Project was completed on time, within budget, and to the City's satisfaction. A successful audit was also completed with Caltrans.

City of Baldwin Park

Year Completed:	2011
Construction Cost:	$1,300,000

CONSTRUCTION MGR.:	Shahnawaz Ahmad
INSPECTOR:	Ernie Roldan

Proposition 1B Citywide Street Improvement Project
Provided construction inspection services for the City's Proposition 1B Citywide Street Improvements Project – Phase II. The work involved miscellaneous concrete repairs, pavement repairs, striping and the application of slurry and cape seal throughout various City locations. Streets included Olive Street, Los Angeles Street, La Rica Avenue. Project was completed on time, within budget, and to the City's satisfaction.

YEAR COMPLETED:	2010
CONSTRUCTION COST:	$600,000
CONSTRUCTION MGR.:	Shahnawaz Ahmad
ASST. CONSTR. MGR.:	Fred Alamolhoda
FUNDING COORDINATOR:	Fara Tavassoli
INSPECTOR:	Charles "Chuck" Sihler, , Tomas Ramirez, Jr,

Syracuse Storm Drain Project
Provided construction management and inspection services for the City's Syracuse Storm Drain Project. The project involved federal funding and labor compliance. The project consisted of the installation of 2,250 linear feet of 24" through 48" diameter reinforced concrete pipe, manholes, catch basins, transition structures, and connector pipes, cross gutter, curb, gutter, sewer laterals, paving, and striping. Responsible for attending the pre-construction meeting; reviewing contractor(s) submittals, responding to RFIs, reviewing and preparing CCOs; supervising labor compliance and monitoring services; recommending progress invoice payments to the City; coordinating field inspection, material acceptance/testing, traffic control and lane closures; final job walk & preparation of the punch list. Project was completed on time, within budget, & to the City's satisfaction.

CITY OF BELLFLOWER

YEAR COMPLETED:	2014
CONSTRUCTION COST:	$380,000
CONSTRUCTION MGR.:	Shahnawaz Ahmad
INSPECTOR:	Rocky Hale

Palo Verde Avenue Pavement Rehabilitation Project
Provided construction management and inspection services for the City's Palo Verde Avenue Pavement Rehabilitation Project. The work included installation of new sidewalk, curb, gutter, ADA ramps, restriping of the entire length to match the existing striping, reinstallation of traffic loops, adjustment of water valves and manholes to final grade. **The work also included labor compliance services. The project was funded by the American Reinvestment and Recovery Act (ARRA).** Project was completed on time, within budget, and to the City's satisfaction. A successful audit was also completed with Caltrans

CITY OF BURBANK

YEAR COMPLETED:	2006 to 2014
CONSTRUCTION COST:	Various
PROJECT MANAGER:	Shahnawaz Ahmad
INSPECTORS:	Ken Salehpour, Mordecai Nickerson, Nick Herzog, Boytrese Osias, John Rosolanka

Safe Route to Schools – Federal Cycle 1 (Phases 1 & 2) Provided construction inspection services The work includes work involves construction inspection services for the construction of new PCC sidewalk, replace existing asphalt pavement, curb and gutter, driveway, and pedestrian ramps (bulb outs), traffic signal modifications (8 locations), traffic signing and striping; and traffic control.

Alameda Avenue and Buena Vista Street intersection Improvement Project – 2011 Provided construction inspection services. The inspection work included ensuring compliance with ADA requirements, coordinating & scheduling sampling & testing of construction materials, soil and AC compaction tests. The inspector also monitored contractor's safety program & SWPPP compliance.

Olive Avenue and Alameda Avenue Intersection Improvements Project – 2007 Provided construction inspection services. The work included construction of traffic signals and pedestrian crossing ramps, decomposed granite AC pavement, cold milling, and 2" ARHM paving. SA Associates also provided coordination with different utility agencies and provided public relations with businesses to encourage community participation, responded to requests for information, and submitted daily reports. In addition, the work included assisting with project management for technical issues. Construction cost: $1.3 million.

Magnolia Park and Parking Lot Improvement Project Phase 5 – 2006 Provided construction inspection services for the repair and replacement of pavement and CMU wall fence. Project involved construction of parking spaces, repair and replacement of pavement and CMU wall fence for the Magnolia Park Improvement Project Phase 5. The work involved realignment of curb and gutter, sidewalk repair, parking spaces, and utility line adjustments. In addition to inspection services, the work included coordination with utility services, responses to requests for information, daily reports, public relations, and

assisting with project management for technical issues. Construction Cost: $600,000.
Buena Vista Street Improvement Project – 2007 Provided construction inspection services involved construction of curb and gutter; sidewalks, 2" cold milling, 2" ARHM paving, and other street structures. The work included inspection services, coordination with utility agencies, responses to requests for information, daily reports, and assisting with project management for all technical issues. Construction Cost: $1,500,000.
Various Street Improvements – 2007 Construction Observation for Various Street Improvements, Sidewalk Repair Projects, and Miscellaneous Permit Projects
Johnny Carson Park Restroom Restoration project – 2007 Inspection of concrete placement for footings for the Johnny Carson park Restroom Restoration project for the City's Park, Recreation, and Community Services Department
Pacific Park – 2006 Construction inspection services, Geotechnical Investigations for construction of new light poles for sports lighting at Pacific Park for City's Park, Recreation, & Community Services Department.

CITY OF GLENDALE

YEAR COMPLETED:	Ongoing
CONSTRUCTION COST:	$175,000
PROJECT MGR.:	Shahnawaz Ahmad
ENGINEER:	Phillip Wets
INSPECTOR	Heustace Lewis

Miscellaneous Inspection Services
Currently providing Inspection Services for on-call projects in the City: Glendale Avenue Wastewater Capacity & Street Improvement, Canada Blvd. Infrastructure Improvements & Honolulu Ave. Rehabilitation, San Fernando Road Lighting Project, and Arden Avenue Rehabilitation. The work included inspection of traffic signals

CITY OF INGLEWOOD

YEAR COMPLETED:	July, 2010
CONSTRUCTION COST:	$3.2 million
CONSTRUCTION MGR.:	David Mochizuki
FUNDING COORDINATOR::	Fred Alamolhoda
LEAD INSPECTOR:	Vernon Nickerson

Rehabilitation of Manchester Boulevard
Provided construction management services for the rehabilitation of approximately 2.9 miles on Manchester Boulevard between Ash Street and Van Ness Avenue. The section from Ash Street to Crenshaw Boulevard **was federally funded through ARRA** (American Recovery & Reinvestment Act of 2009) and the section from Crenshaw Boulevard to Van Ness Avenue was Redevelopment Agency funded. The project encompasses 1,080,000 square feet of 0" to 2" grinding and 28,000 tons of asphalt rubber hot mix (ARHM) for the overlay. The paving work was done in the night time. The work also included labor compliance services. Project was completed within budget and to the City's satisfaction. A successful audit was completed with Caltrans.

CITY OF LA PALMA

YEAR COMPLETED:	2008
CONSTRUCTION COST:	$200,000
CONSTRUCTION MGR.:	Shahnawaz Ahmad

Indigo Ave. Storm Drain
Prepared plans and specifications and assisting in evaluating material options for the design of the Indigo Ave. storm drain. The project consists of runoff water calculations, a utilities investigation, a topographic survey, and construction cost estimates. The work includes the installation of approximately 375 feet of storm drain along Indigo Avenue from Andrew Drive to Shirley Drive. Also providing construction support services for this project.

Tables showing our Street, Sewer, and Construction Management & Inspection Services follow in this section.

SA

STREET EXPERIENCE

No.	Agency	Project Name	Street(s)	Length (Feet)	Type	Constr. Cost ($)	Year Completed	Services Provided: Site Study	Design	Cost Est.	Constr. Mng.	Constr. Eng.	Constr. Inspec.
1	City of Pomona	Intersection Reconfiguration at Monroe Street and Orange Grove Avenue	Monroe Street and Orange Grove Avenue	—	Intersection Reconfiguration at Monroe Street and Orange Grove Avenue.	116,000	On-Going				X		
2	City of Bellflower	Palo Verde Avenue Pavement Rehabilitation	Palo Verde Avenue that extends from Artesia Blvd. to the South City Limit	2,600	Rehabilitation/Resurfacing	380,000	On-Going				X		X
3	City of South Pasadena	Arroyo Park Playground	—	—	Preparation of site plan, paving ,and restriping of the parking lot.	200,000	Ongoing	X	X				
4	City of San Dimas	Rehabilitation of San Dimas Canyon Road	Sam Dimas Canyon	3,000	Replace of AC with CAB	2,970,000	2011	X	X	X			
5	City of Baldwin Park	Proposition 1B Citywide Street Improvement Project Phase II	Various (Olive Street, Los Angeles Street & La Rica Avenue)	—	Miscellaneous Repairs	1,300,000	2011						X
6	City of Azusa	Citrus Avenue Reconstruction Project	Citrus Avenue	2,500	Installation of new sidewalk curb, gutter, ADA ramps, adjsutemnt of water valves & manholes	964,000	2010	X			X		X
7	City of Burbank	Alameda Avenue and Buena Vista Street Intersection Improvement Project	—	—	Intersection Improvement	850,000	2010						X
8	City of Inglewood	Rehabilitation of Manchester Boulevard	Manchester Boulevard	15,312	Rehabilitation	3,200,000	2010				X		
9	City of Baldwin Park	City's Syracuse Storm Drain Project	—	2,250	Storm drains including streets	600,000	2010				X		
10	Los Angeles County Department of Public Works	As-Needed Construction Inspection and Technical Support Staffing Services	Atlantic Boulevard at 60 Freeway 111th Street in the City of Hawthorne	—	includes roads, bridges, traffic signals, flood control, sewer &water	Various	2009						X
11	City of Burbank	Olive Avenue and Alameda Avenue Intersection Improvements Ptojects	Olive Avenue Alameda Avenue	—	Intersection Improvement	1,300,000	2007						X
12	City of Lomita	Storm Drain Improvement on 262nd Street and Eshelman Avenue	—	300	Storm drains including streets	200,000	2007				X		X
13	City of Burbank	Johnny Carson Park Restroom Restoration Project	—	—	Restoration - restrooms	—	2007						X
14	City of Burbank	Pacific Park	—	—	Lighting	—	2007						X
15	City of Baldwin Park	Evaluation of Arterial and Collector Streets for the City's Park Pavement Management System (PMS)	Arterial and Collector	—	Evaluation of Street Condition		2007						
16	City of Burbank	Magnolia Park Improvement Project Phase 5	Magnolia Park	—	Park improvement	600,000	2007						X
17	City of Burbank	Buena Vista Street Improvement Project	Buena Vista Street	—	Street Improvement	1,500,000	2007						X
18	City of Burbank	Construction Observation for Various Street Improvements	Various Streets	—	Street Improvement	—	2007						X
19	City of Murrieta	PM & CM Services for the City's CIP for 2005-2007 (Over 91 Projects)	Various	—	Includes storm drains	50,000,000	2007					X	X
20	City of Lomita	City Alleyway Reconstruction Project	Alleyway	300	Reconstruction	50,000	2006	X	X	X	X		X
21	City of Pomona	Rehabilitation of Reservoir Street and Ellen Place	Reservoir Street Ellen Place	10,560 530	Pavement Rehabilitation & overlay, adjustment of utilities, striping, repair of sidewals, curbs, gutters &pedestrian acess ramps	1,280,000	2006		X	X			
22	City of San Dimas	Foothill Boulevard Street Resurfacing and Pavement Restoration Project	Foothill Boulevard	5,800	Pavement resurfacing, rehabilitation and overlayadjustment of utilities, striping, repair of missing/brolen sudewalks, curbs, gutters, pedestrian ramps &replacement of surveymonuments	900,000	2006	X	X	X			
23	City of Pomona	Rehabilitation of Franklin Avenue	Franklin Avenue	1,200	Street Rehabilitation	430,000	2006	X	X	X			
24	City of Hawaiin Gardens	Fedde Middle School Improvement Project (City's Safe Route to School)	Around Fedde Middle School	—	Improvement	150,000	2006		X	X			
25	City of Pomona	Rehabilitation of Gibbs Street	Gibbs Street	1,950	Rehabilitation including drainage	400,000	2006	X	X	X			
26	City of Murrieta	Washington Avenue/"B" Street Historic Downtown Improvement Project	Washington Avenue "B" Street	—	Historic Improvement Project	4,000,000	2006				X		
27	City of Santa Monica	FY 2005 Street Lighting Project	Various Streets	—	Street & Park lighting	2,100,000	2006						X
28	City of Malibu	City of Malibu Zumirez Drive Project	Pacific Coast Highway	—	Pavement Resurfacing	500,000	2005						X
29	City of San Dimas	Rehabilitation of Bonita Avenue	Bonita Avenue	1,200	Goetechnical Inv., survey, pavement rehabilitation, AC overlay & striping	200,000	2005	X	X	X			
30	Ciry of Torrance	Reconstruction of Various Alleys	Various Alleys	20,000	Survey, Drainage, V gutters and AC Pavement	590,000	2005	X	X	X			
31	City of Pomona	Construction of missing and/or brolen sidewalk and ADA ramps on Mountain View Avenue	Mountain View Ave Grand Avenue	1,320 200	Construction of missing and/or brolen sidewalks	300,000	2005	X	X	X			
32	City of Manhattan Beach	Civic Center/Metlox Street Improvement Project	Various Streets	—	Street Improvement	400,000	2005	X	X	X			
33	City of La Habra	Rehabilitation of Two Mobile Home Parks	————		Rehabilitation including pavement, sewer, water and drainage	1,500,000	2004		X	X		X	
34	City of Rancho Palos Verdes	Construction Inspection Services on As-Needed Basis	Various Streets/Sites	—	Includes roads, permits, ocean trails, sewer, storm drains, medians, fiber optics & sidewalk repairs	—	2003						X
35	City of Moreno Valley	FY 2003/2004 Annual Pavement Resurfacing Program.	Total of six (6) Streets	26,100	Resurfacing	600,000	2003						X
36	City of Hermosa Beach	City of Lomo Area Street Improvement Project	Various Streets	8,960	Street Improvement	1,450,000	2003		X	X			

No	Agency	Project Name	Street(s)	Length (Feet)	Type	Constr. Cost ($)	Year Completed	Services Provided					
								Site Study	Design	Cost Est.	Constr. Mng.	Constr. Eng.	Constr. Inspec.
37	City of Rancho Palos Verdes	FY 2001-02 Residential Street Overlay and Slurry Seal Project	Various Streets	—	Overlay & Slurry sealing	200,000	2002				X		X
38	City of Baldwin Park	Rehabilitation of Twelve (12) Streets	Various Streets	12,900	Replacement of asphalt cement pavement with 2" AC. with fabric over aggregate base or 4" A.C. pavement over aggregate base	—	2000	X	X	X			
39	City of Baldwin Park	Rehabilitation of Three (3) Streets	Fairgrove Street Mangum Street La Rica Avenue	4,000	Reconstruction of 3" asphalt over 4" aggregate base, repairs to sidewalks, curbs, gutter, cross gutter & driveways. Traffic striping, modifications of driveways and handicapped ramps	—	2000	X	X	X			
40	City of San Dimas	Rehabilitation of Various Streets in the City of San Dimas (within City'd Maintenance Zone "D")	Various Streets	2,700	Asphalt pavement restoration &ovelay	200,000	2000	X	X	X			
41	Los Angeles County Department of Public Works	Accelerated Road Construction Program: Irwindale, Et Al.	Five (5) Street Rehabilitation Projects	10,000	Materials report for alternative methods of pavement rehabilitation. Asphalt rubber hot mixwas used	800,000	2000	X	X	X			
42	Los Angeles County Department of Public Works	Accelerated Road Construction Program: Avenue G. Et Al.	Five (5) Street Rehabilitation Projects	26,400	Materials report for alternative methods of pavement rehabilitation. Asphalt rubber hot mixwas used	800,000	2000	X	X	X			
43	City of Baldwin Park	Rehabilitation of Athol Street, Monterey Avenue and Cavette Place	Athol Street Monterey Avenue Cavette Place	3,100	Replacement of asphalt concrete pavement with 3" AC. over aggregate base		1999	X	X	X			
44	City of Baldwin Park	Rehabilitation of Athol Street, Fairgrove Street and	Athol Street Fairgrove Street Nubia Street	6,000	Replacement of A.C. pavement with 4" of new asphalt concrete &new 4" crushed aggregate base , traffic striing, repair of curb &gutter, driveways & provision of handicapped ramps		1999	X	X	X			
45	City of San Fernando	Rehabilitation of Earthquake Damaged Streets	Various locations	—	Rehabilitation	265,000	1998		X	X			
46	City of Sierra Madre	Rehabilitation of Mchillinda Avenue	Michillinda Avenue	1,850	Rehabilitation	82,500	1998		X	X			
47	City of Baldwin Park	Improvement of Olive Street	Olive Street	4,000	Grinding, Overlaying, Traffic Striping, repair of curb and gutter, modification of driveways & handicapped ramps		1997	X	X	X			
48	City of Duarte	Survey of Buena Vista Street	Buena Vista Street	—	Survey	—	1996						
49	City of Baldwin Park	Rehabilitation of Bess Avenue, Frazier Street and Puente Avenue	Bess Avenue Frazier Street Puente Avenue		Replacement of asphalt concrete pavement with 5" AC. over native material, handicapped ramps &striping		1994	X	X	X			
50	City of Diamond Bar	Golden Springs Drive Median Island Project	Golden Springs Drive	—	Storm drains including streets	—	1994				CM & PM		
52	City of La Palma	Rehabilitation of Thelma Avenue	Thelma Avenue	—	Rehabilitation		1992		X	X			
52	City of Carson	Improvement of Avalon Boulevard	Avalon Boulevard	—	Improvement	200,000	1992		X	X			
53	City of La Palma	Slurry Sealing of Various City Streets	Various Streets	—	Slurry sealing		1991		X	X			
54	City of La Palma	Reconstruction of Moody Street and Orangethorpe Avenue	Moody Street Orangethorpe Aveue	—	Reconstruction		1991		X	X			
55	County of Los Angeles	Walnut Park Parking Lot No. 2		—	Rehabilitation	50,000	1991	X	X	X			
				172,432	Linear Feet	$81,627,500							
				33	Miles								

SA

SEWER EXPERIENCE

No.	Agency	Project	Length (Feet)	Size (Inches)	Material	Constr. Cost ($)	Complete (Year)	Services Provided					
								Site Study	Design	Cost Est.	Constr. Man.	Constr. Eng.	Constr. Inspec.
1	City of South Pasadena	Sewer Improvements on Arroyo Drive, Huntington Drive, Marengo Avenue and Meridien Avenue	4,200	4,6,8,10	VCP	620,000	2012				X		X
2	City of Pomona	Sewer Replacement D Project No. 586-86-18	800	8	VCP	204,000	2012				X		X
3	City of Arcadia	Baldwin Avenue Sewer Capacity Improvement Project	900	15	VCP	500,000	2012						X
4	City of Irwindale	Martin Road Sewer Lift Station	----	—	----	900,000	2010				X		X
5	City of Lynwood	Sewer Main Replacement Project in the intersection of Imperial Highway and Long Beach Boulevard	400	8	VCP	500,000	2009		X	X			
6	City of Norwalk	Replacement of the Pumps at the Curtis & King Sewer Lift-Station	----	—	----	150,000	2008						
7	West Basin Municipal Water District	Anza Avenue Recycled Water Lateral at Sepulveda Boulevard	200	6	PVC	66,000	2007						
8	City of La Palma	Sewer Master Plan for the City of La Palma	----	NA	NA	----	2005	X					
9	City of Cypress	Modification of Sewer System at the Intersection of Lincoln Avenue and Moody Street	300	8	VCP	300,000	2005		X	X			
10	City of La Habra	Rehabilitation of Two Mobile Home Parks	300	6	VCP	1,500,000	2004		X	X			
11	City of Hermosa Beach	Reconstruction/Rehabilitation of Sewer on Pacific Coast Highway between 24th Street and Gould Avenue	1,000	8	VCP	1,200,000	2003		X	X			
12	City of Hermosa Beach	Sewer Reconstruction for the City's Loma Area Improvements Project	2,700	6, 8, 12	VCP	570,000	2003		X	X			
13	City of Pomona	Sewage Pump Station No. 3 Replacement	2,400	10, 21	VCP	2,300,000	2002				X		X
14	City of South Pasadena	Sewer Repairs on Huntington Drive, Diamond Avenue, and Glendon Way	1,000	6, 8	VCP	200,000	2000		X		X		X
15	City of South Pasadena	Construction Engineering Services for Sewer System Improvement Phase I	1,500	6, 8	VCP	300,000	1999					X	
16	West Basin Municipal Water District	Design of Brine Line for the Carson Regional Recycling Water Plant	27,000	14	DIP	4,114,000	1999		X	X			
17	West Basin Municipal Water District	Design of PVC/Reclaimed Water Pipelines Water Mains for the El Segundo Lateral in the City of El Segundo	5,900	12	PVC	309,300	1998		X	X			
18	City of Arcadia	Deficiency Study of the Sewer and Drainage System and Preparation of Hydraulic Model Data Base for Trunk Sewer Lines	----	Various	Various	----	1998	X	X	X			
19	City of Compton	8-inch through 15-inch Diameter Sewer Mains	7,700	8, 15	VCP	1,200,000	1992		X	X			
20	City of Baldwin Park	8-inch Diameter Sewer from Merced Avenue along Ohio Street, Kenmore Avenue, and Private Property to Walnut Street	800	8	VCP	200,000	1992		X	X			
21	City of Compton	Prioritized Sewer Improvement Program for the entire 150 miles of the City's sewer system.	792,000	Various	Various	24,000,000	1991	X	X	X			
22	City of Cerritos	Construction of 7,700 feet of 6-inch Diameter Reclaimed Water Pipelines in Three Different Streets	7,700	6	PVC	350,000	1991		X	X			
		TOTAL=	**856,600 Feet** **162 Miles**			**$39,483,300**							

SA

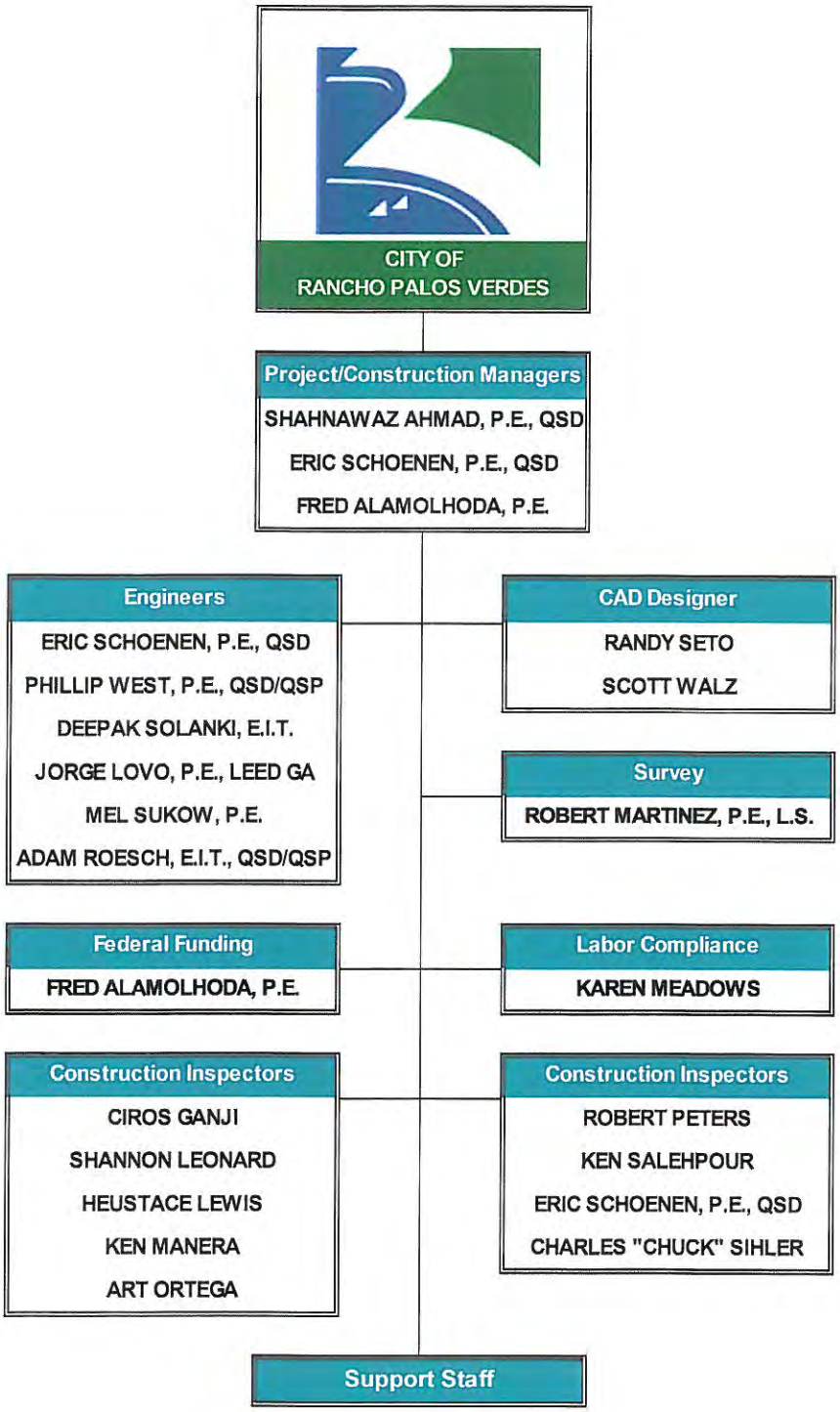
CONSTRUCTION MANAGEMENT AND INSPECTION EXPERIENCE

No.	Agency	Project Name	Project Type	Constr. Cost ($)	Year Compl.	Services Provided		
						Constr. Man.	Constr. Inspec.	Constr. Support
1	City of Glendale	Street Inspection: Glendale Avenue and Canada Blvd.	Streets	N/A	2015		X	
2	City of Rancho Palos Verdes	Miscellaneous Utility Inspections and City Projects	Various	N/A	2014		X	
3	Long Beach Water Department	Sewer Cement Pipe Rehabilitation/Replacement Group 2	Sewer	333,000	2014	X	X	X
4	City of Pomona	Sewer Pipeline Replacement - Citywide)Phase II)	Sewer	266,000	2014	X	X	X
5	City of San Bernardino	Pine Trails Tract:	Street, Sewer, SD	N/A	2014		X	
6	City of San Bernardino	Cajon Storm Drain Installation	Storm Drain	4,000,000	2014		X	
7	City of San Bernardino	Traffic Signal Installations	Streets	3,000,000	2014		X	X
8	City of San Bernardino	Mt. Vernon Bridge Shoring Project w-BNSF	Streets	350,000	2014		X	X
9	City of Burbank	Safe Route to Schools	Streets	350,000	2014		X	
10	City of Bellflower	Palo Verde Avenue Pavement Rehabilitation	Streets	210,000	2014	X	X	X
11	City of South Pasadena	South Pasadena Glendon Way & El Centro Street Rail Crossing Modification Project	Sreets Rail Crossing	300,000	On-Going	X	X	
12	City of South Pasadena	Sewer Improvements on Arroyo Drive, Huntington Drive, Marengo Avenue, and Meridian Avenue	Sewer	620,000	2012	X	X	
13	City of Arcadia	Baldwin Avenue Sewer Improvements	Sewer	500,000	2012		X	
14	City of Santa Monica	3rd Court Water Main Replacement Project	Water Main	900,000	2012		X	X
15	City of Azusa	W-265 Water Main Replacement Project	Water Main	1,430,000	2012		X	X
16	City of Pomona	Service Lateral and Sewer Replacement Projects	Water & Sewer	590,000	2012	X	X	X
17	City of Baldwin Park	Proposition 1B Citywide Street Improvement Project	Streets	1,300,000	2011		X	X
18	City of Azusa Light & Water Department	W-266A Water Main Replacement Project	Water Main	1,200,000	2011		X	X
19	City of Pomona	Three (3) Contracts associated with the City's FY 2008-09 Water & Sewer CIP	Water & Sewer	3,500,000	2011	X	X	X
20	City of Burbank	Alameda Avenue and Buena Vista Street Intersection Improvement Project	Streets	850,000	2011		X	
21	City of Azusa	Citrus Avenue Reconstruction Project	Streets	964,000	2010	X	X	X
22	City of Inglewood	Rehabilitation of Manchester Boulevard	Streets	3,200,000	2010	X	X	X
23	City of Baldwin Park	City's Syracuse Storm Drain Project	Storm Drain	600,000	2010	X	X	X
24	City of Irwindale	Martin Road Sewer Lift Station Project	Sewer	200,000	2010	X	X	X
25	County of Los Angeles	As-needed Construction Inspection and Technical Support Staffing Services	All Utilities	Various	2009		X	
26	City of Azusa	WVF-243 Water Main Replacement Project in San Gabriel Canyon Boulevard and Daybreak Drive	Water Main	1,600,000	2009		X	X
27	City of La Palma	Indigo Ave. Storm Drain	Storm Drain	200,000	2008			X
28	City of Azusa Light & Water Department	WVF-243 Water Main Replacement Project	Water Main	1,600,000	2008		X	X
29	City of Burbank	Olive Avenue and Alameda Avenue Intersection Improvements Project	Streets	1,300,000	2007		X	
30	City of Burbank	Magnolia Park Improvement Project Phase 5	Parks	600,000	2006		X	
31	City of Burbank	Buena Vista Street Improvement Project	Streets	1,500,000	2007		X	
32	City of Burbank	Various Street Improvements	Streets	Various	2007		X	
33	City of Burbank	Johnny Carson park Restroom Restoration project	Parks	300,000	2007		X	
34	City of Burbank	Pacific Park	Parks	300,000	2006		X	
35	City of Murrieta	Safe Route to Schools (SR2S) Sidewalk Improv. (PM & CM Services for CIP for 2005-2007)	Streets		2007		X	
36	City of Murrieta	MVUSD Rd. Improvements (PM & CM Services for CIP for 2005-2007)	Streets		2007		X	
37	City of Murrieta	Fig St. Improvements (PM & CM Services for CIP for 2005-2007)	Streets		2007		X	
38	City of Murrieta	Scott Rd. Improvements (PM & CM Services for CIP for 2005-2007)	Streets		2007		X	
39	City of Murrieta	Washington Ave. Improvements (PM & CM Services for CIP for 2005-2007)	Streets		2007		X	X

No.	Agency	Project Name	Project Type	Constr. Cost ($)	Year Compl.	Services Provided		
						Constr. Man.	Constr. Inspec.	Constr. Support
40	City of Murrieta	Old Town Streets Overlay (PM & CM Services for CIP for 2005-2007)	Streets	50,000,000	2007		X	
41	City of Murrieta	Western Historic Murrieta Storm Drain System (PM & CM Services for CIP for 2005-2007)	Streets		2007		X	
42	City of Murrieta	Adams Ave. Improvements (PM & CM Services for CIP for 2005-2007)	Streets		2007		X	
43	City of Murrieta	Vineyard Pkwy. Widening (PM & CM Services for CIP for 2005-2007)	Streets		2007		X	
44	City of Murrieta	Stepp Rd. Improvements (PM & CM Services for CIP for 2005-2007)	Streets		2007		X	
45	City of Murrieta	Whitewood Rd. Improvements (PM & CM Services for CIP for 2005-2007)	Streets		2007		X	
46	City of Lomita	Storm Drain Improvements on 262nd Street and Eshelman Avenue	Storm Drain	200,000	2007	X	X	X
47	Long Beach Water Department	Two Alley Service Connection Conversion Projects	Water Main	630,000	2007	X	X	X
48	West Basin Municipal Water District	Anza Avenue Recycled Water Lateral at Sepulveda Boulevard in the City of Torrance	Reycled Water	66,000	2007	X	X	X
49	City of Murrieta	Washington Avenue/"B" Street Historic Downtown Improvement Project	All Utilities	4,000,000	2006	X	X	X
50	City of Hawaiian Gardens	Safe Route to Schools (SR2S) Fedde Middle School Improvement Project	Streets	150,000	2006	X	X	X
51	City of Santa Monica	City's Fiscal Year 2005 Street and Park Lighting Project	Streets & Lighting	2,100,000	2006		X	
52	City of Alhambra	Water Master Plan Main Line Replacement Project	Water Main	1,240,000	2006	X	X	
53	City of Anaheim	Katella Avenue 12" Water Main Project	Water Main	350,000	2006		X	
54	Long Beach Water Department	Osgood & DeForest Large Valve and Tie-Ins Project	Water Main	680,500	2006	X	X	X
55	Long Beach Water Department	Water Main Bridge Crossings Repair Project	Water Main	2,300,000	2006		X	
56	City of Pomona	Districts 4, 5, & 6 Water Main Replacement Project	Water Main	2,700,000	2006	X	X	X
57	City of Malibu	Zumirez Drive Project	Streets	500,000	2005		X	
58	City of Alhambra	Water Main Line and Valve Replacement Projects	Water Main	530,000	2005	X	X	
59	City of Pomona	Priority 1 Group 3 Projects (Districts 1, 3, & 6)	Water Main	2,000,000	2005	X	X	X
60	City of Torrance	I-25 Water Main Replacement Project	Water Main	2,000,000	2005	X	X	X
61	Long Beach Water Department	Alamitos Reservoir Site Improvement Project	Site Improvement	1,953,000	2004	X	X	X
62	City of Moreno Valley	Resurfacing of Six (6) Streets - 2003/2004 Annual Pavement Resurfacing Program	Streets	600,000	2003		X	
63	Long Beach Water Department	Replacement of a Cast Iron Water Main along Long Beach Boulevard	Water Main	600,000	2003	X	X	X
64	City of Pomona	Sewage Pump Station No. 3	Sewer	2,300,000	2002	X	X	X
65	City of Riverside	Arroyo Drive Water Main Projects	Water Main	600,000	2002	X	X	X
66	City of Riverside	Highgrove Water Main Project	Water Main	900,000	2002	X	X	X
67	City of South Pasadena	Sewer Repairs on Huntington Drive, Diamond Avenue, and Glendon Way	Sewer	200,000	2000	X	X	
68	City of Torrance	Project under Priority 2 of the Water Main Replacement Program	Water Main	1,800,000	1995	X	X	X
69	City of South Pasadena	Construction Engineering Services for Sewer System Improvement Phase I	Sewer					X
70	City of Diamond Bar	Golden Springs Drive Median Island Project	Streets	Various	1994	X	X	
71	City of Rancho Palos Verdes	Housing Development for the Sub-Region I project (As Needed Construction Inspection Services)	All Public Works	Various	Various		X	
72	City of Rancho Palos Verdes	Miscellaneous Encroachment Permits (As Needed Construction Inspection Services)	Encroachment				X	
73	City of Rancho Palos Verdes	Ocean Trails (As Needed Construction Inspection Services)	All Public Works				X	
74	City of Rancho Palos Verdes	Sea Breeze (a tract of 68 homes) - (As Needed Construction Inspection Services)	Sewer & Storm Drain				X	
75	City of Rancho Palos Verdes	Median Project (As Needed Construction Inspection Services)	Streets				X	
76	City of Rancho Palos Verdes	Fiber Optics Project (As Needed Construction Inspection Services)	Streets				X	
77	City of Rancho Palos Verdes	Sidewalk Repair Program (As Needed Construction Inspection Services)	Streets				X	
78	City of La Palma	City Yard Reservoir	Reservoir				X	
			Total Construction Cost	$110,462,500				

SECTION III: PROJECT TEAM

ORGANIZATION CHART



Resumes for our Project Team are included in this section.

SA

SHAHNAWAZ AHMAD, P.E., QSD
Project/Construction Manager

EDUCATION:
University of Karachi, Pakistan, B.E., Civil Engineering, 1969
University of California, Berkeley, M.S., Sanitary Engineering, 1971

REGISTRATION:
Registered Civil Engineer, California No. 23712

MEMBER:
American Academy of Environmental Engineers, Diplomate
American Public Works Association
American Society of Civil Engineers
American Water Works Association
California Water Environment Association
Southern California Water Utilities Association
Water Environment Federation

OVERVIEW:

Mr. Ahmad serves as principal-in-charge and/or project manager for projects related to water and sewer system master planning; water resources; water supply and treatment; water reuse; wastewater collection, treatment, and disposal; storm drainage; design of water and wastewater treatment plants, water pipelines, sewers, pumping stations, wells, storage reservoirs, and water reclamation systems; studies of water and wastewater treatment processes; and industrial waste problems.

PROJECT EXPERIENCE

CITY OF AZUSA

- Provided construction management services for the Citrus Avenue Reconstruction Project, from Alosta Avenue north to the northerly city limits, approximately 2,500 feet. The work included installation of new sidewalk, curb, gutter, ADA ramps, restriping of the entire length to match the existing striping, reinstallation of traffic loops, adjustment of water valves and manholes to final grade. The project was funded by the American Reinvestment and Recovery Act (ARRA).

CITY OF BALDWIN PARK

- Provided construction management services for the City's Syracuse Storm Drain Project for the city of Baldwin Park. The project consists of installing 2,250 feet of 24" through 48" diameter reinforced concrete pipe. This project was federally funded.

CITY OF BELLFLOWER

Provided construction management and inspection services for Palo Verde Avenue Pavement Rehabilitation project. The project comprises the rehabilitation/resurfacing of the segment of Palo Verde Avenue that extends from Artesia Blvd. to the South City Limit (approximately 2,600 ft). The project consisted of grinding and overlay of the two segments, possible reconstruction of curb ramps, pavement striping, replacement of vehicle detection loops, placement of bicycle detection loops, and coordination with utilities and other concerned agencies/residents/businesses. The project was a federally funded STP-L project. The project was administered in accordance with Caltrans Local Assistance Procedures Manual (LAPM), Local Assistance Program Guidelines (LAPG) and Federal Highway Administration's (FHWA) requirements.

CITY OF BURBANK

- The Buena Vista Street Improvements Project, involved construction of curb and gutter; sidewalks, 2" cold milling, 2" ARHM paving, and other street structures. The work included inspection services, coordination with utility agencies, responses to requests for information, daily reports, and assisting with project management for all technical issues.

CITY OF INGLEWOOD

- Provided construction management and inspection services for the Manchester Boulevard Corridor Roadway Improvement project which runs from Ash Street to Van Ness Avenue, approximately 2.9 miles. The section from Ash Street to Crenshaw Boulevard was ARRA funded and the section from Crenshaw Boulevard to Van Ness Avenue was Redevelopment Agency funded. The project encompassed 1,080,000 square feet of 0" to 2" grinding and 28,000 tons of asphalt rubber hot mix (ARHM) for the overlay.

CITY OF LA PALMA

- Providing construction support services for the Indigo Ave. storm drain project. The project consists of runoff water calculations, a utilities investigation, a topographic survey, and construction cost estimates. The work included the installation of approximately 375 feet of storm drain along Indigo Avenue from Andrew Drive to Shirley Drive. Also prepared plans and specifications and assisted in evaluating material options for the design of for this project.

CITY OF IRWINDALE

- Provided Construction Inspection Services for the Martin Road Sewer Lift Station Project. This project includes the construction of a replacement sewer lift station to replace the existing deteriorated wet well sewer pump station.

CITY OF LA HABRA

- Prepared plans and specifications for the rehabilitation of two mobile home parks. The work included sewer, water, pavement, and drainage rehabilitation. The water work involved the installation of 6,000 feet of 8-inch PVC pipe, 300 pressure reducing valves, and two 8-inch water master meters to increase fire protection capabilities. Sewer work involved reviewing the sewer report and replacing sewer laterals, mainline, and cleanouts. Streets were cold milled and overlaid at both parks.

CITY OF LOMITA

- Prepared plans and specifications for the City Alleyway Reconstruction Project. This project consisted of providing engineering services for alleyway reconstruction, approximately 300 feet long, and 15 feet wide. The work included Clearing and Grubbing; A.C. pavement , P.C.C. gutters, and any alley improvement deemed necessary to provide a complete reconstructed and resurfaced pavement, with adequate drainage.

CITY OF LA PALMA

- Provided Project management services to the city of La Palma from 1989-92. The work included assisting the Public Works Director/City Engineer as-needed for various assignments. This involved spending one to two days per week at City Hall. We have also been contracted by the City to provide engineering services for current projects. Services included the following:
  - Assisting the City in obtaining funding for street projects
  - Providing construction inspection services
  - Working with Operations & Maintenance field crew for engineering issues
  - Providing construction inspection services
  - Providing management of construction projects
  - Preparation of Annual Water Quality Control Reports
  - Demolition of Swager Well
  - City Yard Pipeline
  - Design of Drainage Devices
  - Preparation of specifications for slurry sealing of streets
  - Providing plan check services
  - Preparation of specifications for demolition of houses so as to construct affordable housing
  - Preparation of Annual Water Quality Control Reports
  - Preparation of Urban Water Management Plans
  - Preparation of specifications for demolition of houses so as to construct affordable housing
  - Walker Well
  - Updating of City Standards

CITY OF MURRIETA

- Provided Program Management and Construction Management Services to assist the City in the design and construction of various projects. The City has over 91 projects in the CIP for 2005-07, at a cost of approximately $50 million. The Program Manager is assigned full time to City Hall to serve as an extension of City Staff to assist in a variety of projects including:
  - Safe Route to Schools (SR2S) Sidewalk Improv.
  - MVUSD Rd. Improvements
  - Fig St. Improvements
  - Scott Rd. Improvements
  - Washington Ave. Improvements
  - Old Town Streets Overlay
  - Clinton Keith Road Rehabilitation
  - Western Historic Murrieta Storm Drain System
  - Adams Ave. Improvements
  - Vineyard Pkwy. Widening
  - Stepp Rd. Improvements
  - Whitewood Rd. Improvements
  - MHSR Widening - Warm Springs Ck. To Margarita

CITY OF POMONA

- Prepared plans and specifications for design of Franklin Avenue rehabilitation project which is approximately 1,200 feet, from Garey Avenue to Park Avenue.

- Prepared plans and specifications for the rehabilitation of Reservoir Street from Mission Boulevard to County Road; approximately 10,560 lineal feet, and Ellen Place from Reservoir Street to Marquette Avenue; approximately 530 lineal feet. The work included pavement rehabilitation and pavement overlay; adjustment of utilities to grade; striping; repair and construction of broken and missing sidewalks, curbs, gutters, pedestrian access ramps at street intersections and street lights.

- Prepared plans and specifications for the construction of missing and/or broken sidewalk and ADA ramps on Mountain View Avenue from Phillips Boulevard to Grand Avenue; approximately 1,320 lineal feet. The work also included a portion of Grand Avenue, approximately 200 feet, at the intersection of Grand Avenue and Mountain View Avenue.

- Provided construction management services for 3 contracts associated with the City's FY 2008-09 Water & Sewer CIP. The projects include Phillips Ranch Water Service Laterals, Potable and Recycled Water Fire Hydrants, and Flush/ Lampholes Tanks Replacement and New Manholes.

- Provided Construction Management and Inspection Services for construction of five Priority 1 Pipeline Replacement Projects. The length of the project was approximately 28,000 feet and involved three contractors. The work consisted of removal and disposal of existing A.C. pavement along the water main and sewer trench, and replacement with new 4" A.C. pavement over existing aggregate base.

- Construction Management and Inspection Services for replacement of Sewage Pump Station No. 3. The work will commence soon and includes construction of a below grade pump room and wet well, an above ground generator building, 2,000 feet of 10" gravity sewer line, 400 feet of 21" gravity sewer line, relocation of 20" water main, replacement of approximately 50,000 square feet of concrete street, and miscellaneous connections.

CITY OF SAN DIMAS

- Prepared plans and specifications for approx. 3,000 feet for the Rehabilitation of San Dimas Canyon Road from Foothill Boulevard to Romola Avenue for the city of San Dimas. The work includes removal and replacement of existing AC with 4" AC and 6" Class A Crushed Aggregate Base (CAB). All non-compliant handicapped ramps within the project limits to be replaced to comply with ADA.

CITY OF SOUTH PASADENA

- Provided engineering services for preparation of a Construction Specification Manual and Site Plan for the Arroyo Park Playground Improvements project. Grading and drainage were evaluated. The site plan was prepared considering existing above-ground topography and below-ground utilities (i.e. drainage, irrigation, telephone) and attempted to minimize cut and fill (earthwork) activities. The work also includeds paving and restriping of the parking lot.

CITY OF TORRANCE

- Provided Project Management Services to the city of Torrance from 1992-94. This involved spending one day per week at City Hall to assist the City in managing several water projects and to serve as the contract Division Engineer for Water Resources in the City's Engineering Department. services included:

  - Preparation of plans and specifications for specific capital improvement projects
  - Preparation of reports for City Council meetings
  - Attendance at staff meetings
  - Review of capital improvement project budgets
  - Review of staffing needs
  - Being available to respond to technical questions
  - Working with Operations & Maintenance field crew for engineering issues
  - Management of consultants for various projects
  - Providing surveying services as needed
  - Attendance at City Council meetings if required
  - Attendance at Water Commission meetings
  - Attendance at pre-proposal and pre-construction meetings
  - Providing plan check services
  - Review of traffic control plans for construction of water projects
  - Preparation of requests for proposals
  - Providing construction management/inspection services as needed
  - Negotiation of consultant fees
  - Providing in-office management and technical

SA

FRED ALAMOLHODA, P.E.
Project/Construction Manager/Federal Fund Manager

EDUCATION:
California State Polytechnic University, Pomona, CA
B.E., Civil Engineering, 1982
M.S., Civil Engineering,1990

REGISTRATION:
Registered Civil Engineer, California . License No. 41685

MEMBERSHIP:
American Public Works Association
American Society of Civil Engineers
CVAG's Technical Advisory committee's Attendee
Riverside County Transportation Commission
San Gabriel Council of Governments
San Bernardino Associated Governments
American Water Works Association
California Water Environment Association
Southern California Water Utilities Association
Water Environment Federation

OVERVIEW:

Mr. Alamolhoda has over 24 years of experience working for small contract service and full service cities, redevelopment agencies, state and private consultant firms. The experiences include managing street, highway, redevelopment, parks and recreation projects, land development as well as operational services and programs; budget preparation & monitoring; Extensive experience in dealing with Cities, Counties, Caltrans, other State/Federal, Municipal Planning Organizations, Consultants, Railroads, Utility Companies, Contractors, Developers and Public.

As Assistant Manager of the Engineering Section for the Community Development Commission of the Los Angeles County (CDC), Fred Alamolhoda was in charge of the design development and construction management for capital projects funded by the Community Development Block Grant (CDBG) funds.

The Engineering Section's portfolio of projects included CDBG funded Public Works Projects such as the installation of waterlines, storm drains, street improvements, traffic signal installation within the redevelopment areas of unincorporated Los Angeles County Communities; affordable housing, special needs housing; parks, community and senior centers, childcare centers, and other community-based projects. As Assistant Manager, Mr. Alamolhoda was also responsible for providing construction management services for the Commission's numerous residential rehabilitation programs, community storefront revitalization programs, and capital improvements for Public Housing owned or operated by the Housing Authority. Mr. Alamolhoda's responsibility included supervision of the sections' labor compliance administration activities.

PROJECT EXPERIENCE

- Preparation of Quality Assurance Program (QAP), DBE Compliance, Project Programming, Environmental Approvals, Right-of Way Certifications, CTC Allocations, Request for Authorizations for Environmental, Preliminary Engineering/Design, Right-of-Way, Utility Relocations, Construction, Construction Management, Construction award Packages, Invoicing, Labor Compliance Services, Closure Packages Caltrans and FHWA Reviews and Audits

- Provided the above mentioned and other Funding Assistance Services to SANBAG (since 2010), Cities of Chino, Montclair, Hemet, Claremont San Dimas, Diamond Bar, Signal Hill, Riverside County Departments of Transportation and Public Health, and other Cities and Public Agencies since 2005.

Involved in the following **Active Transportation Program (ATP) Cycle I** projects for the Cities of Jurupa Valley, Pomona, San Jacinto, Riverside County department of Public Health, and SANBAG:

- Foothill Blvd. /Sumner Ave., Indio – Safe Routes to School Program

- Jurupa Valley - Safe Routes to School Program, Perris - Safe Routes to School Program, Pyrite Street Safe Routes to School Project

- The Metro link Station Accessibility Improvement Project

- Troth Street Safe Rotes to School Project, Safe and Active San Jacinto – Safe Routes to School.

Since the **Highway Safety Improvement Program (HSIP)** was introduced, Mr. Alamolhoda has been involved in securing funds, implementation and/or delivery of the following projects for the Cities of Chino, Diamond Bar (DB), Downey, Montclair, Pomona and Signal Hill (SH): Cherry Ave./20th St. (SH), Firestone Blvd. (2- projects in Downey), Golden Springs Dr. (DB), Intersection of Central Ave. / San Bernardino St. (Montclair), Intersection of Chino Ave. / Ramona Ave. (Chino), Edison Ave. Traffic Signal Modifications (Chino), Mission Blvd. (Pomona), Paramount Blvd. (2 - Projects in Downey), and Pathfinder Rd. (DB)

In recent years, Mr. Alamolhoda has been involved in the following **Highway Bridge Program (HBP) funded projects:** Florence Avenue over Rio Hondo Channel Bridge Replacement project (Downey), Florence Avenue Bridge replacement at the San Gabriel River Project (Downey), Stetson Ave. Bridge Replacement (Hemet), Central Ave. Bridge Replacement (Montclair), and Bikeway Improvements on Foothill Blvd. at San Dimas Wash (San Dimas).

Mr. Alamolhoda has been providing various staff augmentation services from LAE's or the Cities/Agencies for the following Cities and other Public Agencies since 2007: Diamond Bar, Hemet, Montclair, San Dimas, Signal Hill, as well as SANBAG.

CITY OF AZUSA: CITRUS AVENUE RECONSTRUCTION PROJECT

Federal Fund Manager for the Citrus Avenue Reconstruction Project, from Alosta Avenue north to the northerly city limits, approximately 2,500 feet. The project is funded through the American Reinvestment and Recovery Act (ARRA).

CITY OF CULVER CITY: BALLONA CREEK BIKEWAY PROJECT

Federal Fund Manager for the Ballona Creek Bikeway project. The project was funded by the American Recovery and Reinvestment Act (ARRA) and the Environmental Enhancement & Mitigation Programs Grant. The project complied with federal requirements, Caltrans Local Assistance Procedures Manual (LAPM) and other Federal Highway Administration (FHWA) guidelines.

CITY OF INGLEWOOD: MANCHESTER BOULEVARD CORRIDOR ROADWAY IMPROVEMENT PROJECT

Federal Fund Manager for the Manchester Boulevard Corridor Roadway Improvement project which runs from Ash Street to Van Ness Avenue, approximately 2.9 miles. The section from Ash Street to Crenshaw Boulevard is funded through the American Reinvestment and Recovery Act (ARRA) and the section from Crenshaw Boulevard to Van Ness Avenue is Redevelopment Agency funded. The project encompasses 1,080,000 square feet of 0" to 2" grinding and 28,000 tons of asphalt rubber hot mix (ARHM) for the overlay.

CITY OF DIAMOND BAR: ZONE 3 AND ZONE 4 ARTERIAL STREET REHABILITATION PROJECT FOR FY 2008-2009

This is a Federally funded project under the American Recovery Reinvestment Act (ARRA). The work to be performed or executed under these plans and specifications consists of and includes AC/AB removal, reconstruction of asphalt pavement; crack, chip, and slurry sealing; construction of access ramps, parkway drain, curb gutter replacement, concrete sidewalk; and other incidental and appurtenant work necessary for the proper construction of the contemplated improvement. The project is subject to Davis-Bacon requirements.

CITY OF BELLFLOWER

Provided construction management and inspection services for Palo Verde Avenue Pavement Rehabilitation project. The project comprises the rehabilitation/resurfacing of the segment of Palo Verde Avenue that extends from Artesia Blvd. to the South City Limit (approximately 2,600 ft). The project consists of grinding and overlay of the two segments, possible reconstruction of curb ramps, pavement striping, replacement of vehicle detection loops, placement of bicycle detection loops, and coordination with utilities and other concerned agencies/residents/businesses. The project is a federally funded STP-L project. The project is being administered in accordance with Caltrans Local Assistance Procedures Manual (LAPM), Local Assistance Program Guidelines (LAPG) and Federal Highway Administration's (FHWA) requirements.

CITY OF POMONA

. Provided Limited Construction Support Services for Intersection Reconfiguration at Monroe Street and Orange Grove Avenue. The project included the closure of Monroe Street at Orange Grove Avenue for construction of a cul-de-sac and related improvements. The primary construction management and construction inspection will be provided by the City. The project is funded with Federal Highway Safety Improvement Program (HSIP) Fund, and shall comply with the federal requirements outlined in Caltrans Local Assistance Procedures Manual (LAPM). Our services included review the federal requirements, specifications, and the City's Quality Assurance Program (QAP), prepare contract award package for the City Project Manager's review, signature, and submission to Caltrans, Organize and file project documents in accordance with the LAPM filing guidelines, review City inspector's daily inspection reports and Weekly Statement of Working Days, Labor Compliance Administration, attend project progress meetings, review progress payment and Contract Change Order (CCO) requests, evaluate the CCOs for federal eligibility, prepare progress invoice for reimbursement of federal funds from Caltrans/FHWA, attend final project walk, prepare the final invoice and completion package for submission to Caltrans, and attend audit review meetings with Caltrans/FHWA and the City staff.

. **CITY OF SAN DIMAS: RECONSTRUCTION, REHABILITATION, & LANDSCAPE MEDIAN PROJECT**

This was a Federally funded project under the American Recovery Reinvestment Act (ARRA). The work to be performed generally consisted of street reconstruction, landscaping, traffic, signal modifications, striping, and storm drain modifications on San Dimas Avenue from Foothill Boulevard to Gladstone Street. This project was subject to Davis-Bacon requirements.

. **CITY OF CLAREMONT: ARRA AND OTHER FEDERALLY FUNDED PROJECTS INCLUDE THE FOLLOWING:**

- Citrus Regional Bikeway/Pathway
- Arrow Highway Rehabilitation - ARRA Project No. ESPL 5162 (007)

- Restoration of Mt Baldy Road - Emergency Relief Project No. 4207037
- Pedestrian & Bike Facility - ARRA TEA Funding Project

. **CITY OF BALDWIN PARK: SYRACUSE AVE. STORM DRAIN PROJECT, CONSTRUCTION ADMINISTRATION**

The project consisted of the installation of 2,250 linear feet of reinforced concrete pipe, manholes, catch basins, transition structures, and connector pipes, cross gutter, curb, gutter, sewer laterals, paving, and striping. Responsible for attending the pre-construction meeting; reviewing contractor(s) submittals, responding to RFIs, reviewing and preparing CCOs; supervising labor compliance and monitoring services; recommending progress invoice payments to the City; coordinating field inspection, material acceptance/testing, traffic control and lane closures; final job walk and preparation of the punch list.

. **CITY OF DIAMOND BAR: GRAND AVENUE STREET IMPROVEMENTS PROJECT, PHASE II, CONSTRUCTION MANAGEMENT**

The project consisted of reconstruction and rehabilitation of the street, landscape and irrigation improvements in center medians, minor drainage improvements, signage and striping plans. Mr. Alamolhoda was the project manager in charge of the pre-construction meeting, preparing minutes and weekly resident engineer reports; notifying the utility companies; retaining geotechnical consultants for the City; coordinating distribution of notices to the residents and impacted businesses; responding to RFI's, reviewing and preparing CCOs; supervising labor compliance and monitoring; recommending progress invoice payments to the City, invoicing Caltrans for reimbursement of the federal funds; coordinating field inspection, material acceptance and testing, traffic control and lane closures; and final job walk and closing the project. Construction

. **CITY OF SAN DIMAS: FOOTHILL BOULEVARD OVERLAY AND REHABILITATION PROJECT, PROGRAM MANAGEMENT/CONSTRUCTION OVERSIGHT**

The project consisted of grinding and overlay of approximately 2-miles of Foothill Boulevard within the City of San Dimas. Provided contract monitoring and federal compliance services for this $2 million federally funded public works project.

. **CITY OF MONTCLAIR: RAMONA AVENUE GRADE SEPARATION PROJECT – PROGRAM MANAGEMENT**

The project consists of construction of a grade separation project within the City of Montclair. Mr. Alamolhoda has been involved in the project since December 2006. He provides limited project management, and contract compliance with the federal requirements of this $9 million project. The project is being administered by SANBAG. Construction Cost: $9 Million

SA

CIROS GANJI
Construction Inspector

EDUCATION:
California State University, Long Beach
B.S., Civil Engineering

CERTIFICATIONS:
American Concrete Institute Certificate:
Stormwater Pollution Prevention Plan (SWPPP)
National Pollutant Discharge Elimination System (NPDES)

OVERVIEW:

Mr. Ganji has over 18 years of experience in construction inspection, geotechnical testing, and design on a number of projects for local cities, government agencies, and private developers. He has successfully completed many Capital Improvements Projects (CIPs), numerous mainline underground utility projects and commercial tract developments. He has been responsible for inspecting and reviewing proper traffic control plans, detecting and locating faulty material, maintaining daily inspection reports, preparing final punch lists, and assuring that projects met plan standards, specifications, and guidelines. Mr. Ganji has prepared reports, monitored construction budgets, scheduled field inspections, maintained records, prepared and processed change orders and field design changes, and set pre-construction meetings. In addition, he has maintained project documents in order including labor and equipment records and labor compliance reports.

PROJECT EXPERIENCE

2012- 2013 Atlantic & Firestone Intersection Improvements Project - City of South Gate Provided Construction Management and Inspection services to the City of South Gate for a $6 million dollar project. The scope of work included checking grinding and placing ARHM overlay, inspecting the construction of approximately 50,000 square feet (SF) of sidewalk, inspecting the construction of approximately 1,850 lineal feet (LF) of curb and gutter, inspecting the construction of 2,100 LF of Ductile Iron Pipe (DIP) waterlines and 2,840 LF of recycled waterline, inspecting the construction of approximately 4,656 LF of median island curb with decorative landscaping and the construction of a city monument sign. **This was a Federally funded project.**

2011-2012 Residential Rehabilitation Project - City of Hawaiian Gardens
Provided Inspection services to the City of Hawaiian Gardens on the **CDBG-funded** 2011-2012 Residential Rehabilitation Project. The project spanned 3,200 LF, across four segments: Seine Avenue, from 226th Street to Civic Center Drive; Wareham Avenue, from 223rd Street to 221st Street; Elaine Avenue, from 215th Street to North End; and 216th Street, from Norwalk Boulevard to Bolshie Avenue. The scope included variable-depth grind and overlay, ARHM cap, installing 14 ADA-compliant ramps, upgrading 7 ramps, adjusting 14 manholes and 12 valve lids, installing curb, gutter, sidewalk, a commercial driveway, and a speed bump.

Roman Avenue Street Improvement - city of Palm Springs, County of Riverside
Served as s senior Inspector to the County of Riverside on this project. Work included a retaining wall, removing and replacing curb and gutter, concrete sidewalks, cross-gutters, ADA-compliant ramps, driveways, installing water and sewer lines, and slurry and chip sealing. He inspected work each day, conducted a final inspection with the Contractor, generated and followed up on a punch list, and prepared "as-built" records.

Foothill to Cypress/Randall to Merrill Street & Traffic Signal Project - City of Fontana As Construction Inspector, responsible for performing daily construction inspection on projects including trenching and installing fiber optic cable for traffic signal installations. also inspected detours and verified detour routes with the City Traffic Engineer. Additionally, prepared progress payments and scheduled the pre-construction meeting. Inspections also included street construction, asphalt, utility trench backfill, curb, gutters, sidewalks, driveways, curb ramps, scheduling all required construction testing, and storm water installation on Randall & Merrill Avenue.

Mission Spring Water District - City of Indio
As Construction Inspector, responsible for inspecting pipeline installations, line and grade verification, documenting daily work with photographic evidence, and detailed daily notes of work performed. Additionally, ensured the Contractor complied with the SWPPP and NPDES permit requirements, including proper BMP implementation. Lastly, responsible for ensuring that all work performed by the contractor was in compliance with the contract plans and specifications.

Jurupa Hills Project - City of Fontana
Served as senior inspector on this $2.8 million project. The work included inspecting line grade, size, elevations, and improvements to sidewalks, driveway approaches and retaining walls on Citrus, Solver and Santa Ana Avenue. Also assisted with progress pay and contract change order reviews, and developing as-built drawings.

The Cove Project - City of Palm Springs (Caltrans - District 8)
Served as senior Inspector on this $4.2 million project including being responsible for inspections of all construction activities to ensure contractor compliance with contract plans and specifications are recording detailed daily inspections. Oversee inspect monitor field work, work schedules and inspection phases. Participated in numerous safety programs and strictly enforced safety and health requirements on the site.

Fire Station 71 - City of Fontana
As one of the Construction Inspector on this $29 million dollar design-build project, he was responsible for conducting detail inspections of construction work to ensure contract compliance with plans and specification, inspecting installation new sewer and water main and storm drain installations, writing weekly inspection reports to ensuring complying with erosion control and storm water management plans, completing and maintaining records pertaining to construction progress including daily reports, monthly pay estimates and job expenditures and checking and inspecting irrigation and landscaping for Miller park east of project. **This was a Federally funded project.**

SA

SHANNON LEONARD
Construction Inspector

OVERVIEW:

Ms. Leonard has over 23 years of experience in construction inspection of water, sewer, and street projects. She is qualified to interpret and enforce Uniform Building Codes, Caltrans Standards, Greenbook, W.A.T.C.H. Traffic Control Manual, and OSHA Standards. She has provided inspection for public right-of-way projects.

CERTIFICATIONS

Graduate Building Inspection Technology (B.I.T.) Butte College, 1992.
CAL-OSHA Construction Safety for Managers and Supervisors
40 Hour, University of California, San Diego Extension, certified
P.O.S.T. Penal Code 832, Powers of Arrest/Right o Entry, certified
State of California Code Enforcement Officer
OSHA Job Site Safety 8 hour, certified

PROJECT EXPERIENCE

CITY OF SANTA MONICA

- Currently providing nighttime construction management and inspection services for the Water Main Replacement/Upgrade Project (SP 2297) which includes replacing and/or upgrading existing facilities and the abandonment of old facilities. The project consists of approximately 10,000 ft. of 6" to 21" PVC pipe on Olympic Blvd., Lincoln Ct., Pennsylvania Ave., 16th Ct., 17th Ct., 18th Ct., 20th Ct. Euclid Ave., and Ocean Ave.

CITY OF BUENA PARK (Senior Public Works Inspector – 2014)

- Inspection of City paving project, include surface grinding to full removals and replacement, with rubberized finish. Off site work for new housing development with utility placement, remove and replace City sidewalk, curb and gutter, catch basin and miscellaneous paving work. Extensive traffic control issues in heavy industrial area. Trenchless PVC sewer line rehab.

CITY OF SANTA MONICA (Senior Public Works Inspector 2005-2011)

- As the Senior Public Works Construction Inspector for the City of Santa Monica, oversaw most projects in the Public right of way including but not limited to; alley construction, compaction issues, mainline utilities sidewalk, curb, gutter, driveway construction, rubberized asphalt. In addition, daily duties also included resolving right of way violations, encroachment violations, work without permits, trip and fall accidents, illegal signs, weed abatement, outdoor dining, illegal discharge etc.

LOS ANGELES COUNTY SANITATION DISTRICTS
(Construction Inspector 2003-2005)

- Inspection of various Los Angeles County Department of Sanitation projects including; Inspector of record for 4,000 ft. of 114" existing RCP rehab, with PVC T-Lock liner and SPR Spiral Liner. Removals, surface prep, liner installation, steel reinforcement and pressure grout.

MILL VALLEY STREET REHABILITATION (2002-2003)
Contracted and St. Mary's Road Rehab Town of Moraga:

- Oversaw complete removals and replacement of several City streets (AC Paving), Curb & Gutter, Flood Control structures, new Storm Drain, etc. Environmentally sensitive projects with strict SWPPP & NPDES requirements as well as complex traffic control issues.

PLAYA VISTA PROJECT (Field Engineer 2001-2002)

- Oversaw and inspected the installation of wet and dry line utilities, including water (16"), mainline sewer (18" VCP) plus all laterals and mainline gas. The project also included several miles of new streets (grading, base, compaction, paving, striping, curb, gutter & sidewalk). Oversaw infrastructure construction on this highly environmentally sensitive project, including: Major channel inlet structures, miscellaneous flood control structures, RCP, box culvert, catch basins, major concrete structures in a marine environment. Enforce strict erosion control policies on this highly visible, environmentally sensitive project with extreme public opposition.

LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS (Construction Inspector 1994-2001)

- Inspection of various projects large and small within the public right of way, including water, sewer, gas, dry utilities, reinforced concrete construction, structures. Mainline utilities. Streets, curb & gutter, sidewalk, catch basins. Coordinate specialty testing as required. Enforce traffic control plans & procedures per the WATCH Manual and CAL/OSHA Safety Standards, SWPPP regulations.

SA

HEUSTACE LEWIS
Construction Inspector

EDUCATION:
College of Arts, Science & Technology
Kingston, Jamaica
AA, Science & Technology, 1979
Cleveland Institute of Technology/
Institute of Transportation Studies
Cleveland, OH

REGISTRATION:
Electrical C-10 Contractor
CA No. 959209

CERTIFICATES:
Certified Level III, International Municipal Signal Association (IMSA)
Los Angeles Department of Transportation, National Environmental Asbestos Safety, Asbestos OSHA Certificate

MEMBER:
Transportation Security Administration (TSA)
Refrigeration Service Engineers Society (RSES)

OVERVIEW:

Mr. Lewis provides construction inspection services to public agencies for municipal public works projects. He is an experienced Maintenance Manager, Traffic Signal Technician and Construction Inspector for roadways, traffic signals, street lights, asphalt and concrete PCC paving, concrete structures, buildings and municipal public works construction. His responsibilities include shop drawing reviews; supervision of construction inspection, and testing; contract administration; schedule reviews and monitoring progress. As Senior Construction Inspector for on-call inspection services contracts, Mr. Lewis also served as liaison between owner, designer, and contractor for field and design issues. Mr. Lewis is a recipient of Level III Certification, the highest certification from International Municipal Signal Association (I.M.S.A.) for Traffic Signal Technician and Electrician.

PROJECT EXPERIENCE

CITY OF GLENDALE

- Currently providing Inspection Services for on-call electrical projects in the City including Glendale Ave. Wastewater Capacity & Street Improvement, Canada Blvd. Infrastructure Improvements & Honolulu Blvd. Rehabilitation, Arden Ave. Rehabilitation, San Fernando Rd. Lighting Project, Wilson Streetlight & Traffic Signal upgrades, Doran/Central Development, Upcoming projects will be Colorado Blvd. Parking Lot 10, and Verdugo Rd./Honolulu Ave. Intersection.

CITY OF CULVER CITY, COMBINED STREETLIGHT IMPROVEMENT PROJECT

- As On-Call Electrical Inspector for City's Combined Streetlight Improvements, responsible for overseeing replacements and upgrades of obsolete streetlight system. Project limits were along Washington Boulevard between Marcasel Avenue and Berryman Avenue and Washington Place between Sepulveda Boulevard and Albright Avenue. The scope of work included the replacement of the conduits, wiring, and the removal and replacement of twelve (12) existing non-standard streetlights with new 28-foot-high 'Cobra-head' streetlights to include new fixtures with energy efficient 250 W Induction lamps, and the replacement of fifty-one (51) luminaries with new fixtures and 250 W Induction lamps on existing 'Cobra-head' streetlights.

CITY OF CULVER CITY, ROBERTSON BOULEVARD PEDESTRIAN/TRANSIT CONNECTION IMPROVEMENT PROJECT, P-943

- Provided construction inspections for pedestrian lighting street improvements, a reconstruction project to enhance pedestrian access between the future transit center and the Expo Station area and provide ADA compliant accessibility to pedestrian and transit riders. Improvements were made to sidewalk and street trees uplighting to enhance the transit rider and pedestrian environment.

CITY OF CULVER CITY, WASHINGTON BOULEVARD/BOISE AVENUE PEDESTRIAN CROSSING SIGNAL PROJECT, P-934

- Performed electrical and general construction oversight for installations of traffic signals and street light interconnects; inspected traffic signal standards, equipment and modifications to ensure compliance with project plans and specifications. As project inspector, prepared Daily Construction Reports (DCRs) and Weekly Statements of Working Days (WSWDs), reporting day-to-day field operations and tracking progression of work days completed. Conducted employee wage interviews to ensure compliance with contract requirements, and coordinated flow of information between contractor and City Project Manager.

CITY OF CULVER CITY, EXPOSITION METRO LIGHT RAIL TRANSIT PROJECT

- As alternate On-Call Inspector for The Exposition LRT Project, provided construction inspections on an as-needed basis; monitored a variety of quality assurance tests including soil compaction, street modifications, and traffic signal installations. This project had been in progress since 2008, and involved construction of Segment C, which extended the transit line from the limits of Ballona

Creek to the east, the northerly City limits adjacent to Venice Boulevard to the west, along National Boulevard within the boundaries of Culver City. The scope of work consisted of general inspections for street improvements, traffic signals, street lighting, signing and striping, drainage, sanitary sewer and relocation of utilities in the public right-of-way. Other related work included "over the shoulder" inspections of the construction of bike paths and pedestrian connections, part of the project and located on the Metro right-of-way.

CITY OF CULVER CITY, FOX HILLS AREA TRAFFIC SIGNAL SYNCHRONIZATION, P-852

- As City Maintenance Operations Manager, responsible for coordination of signal systems and timing, traffic engineering and road design standards as they related to traffic signals and lighting equipment for Capital Improvement Projects. The Fox Hills area project upgraded the remaining 11 signalized intersections within the City into a traffic control system and hookup to the Automated Traffic Surveillance and Control (ATSAC) System. Other responsibilities included making recommendations for equipment and costs involved in scheduled work; providing analysis on project-wide issues regarding suitability of street lighting and traffic signal implementation; assisting with development and modification of contract plans for traffic signal upgrades and transportation enhancement, and supervision of personnel assigned to repair and install multiple lighting systems.

SA

JORGE LOVO, P.E.
Engineer

EDUCATION:
B.S. Civil Engineering
University of Hawaii

REGISTRATION:
Registered Civil Engineer, California No. C75632
Registered Civil Engineer, Canada Board of Professional Engineers

CERTIFICATION:
LEED Green Associates – Green Building Certification Institute, ID No. 10779963
Construction Management, University of Quebec, Canada
Professional Studies in Technique of Architecture, College of Old Montreal

OVERVIEW:

Mr. Lovo has over14 years of experience designing and managing a variety of water-related projects and programs ranging from water, wastewater, recycled water, and storm water facilities including conveyance, water quality & treatment, pump stations, and storage. Providing technical leadership on small to large sized projects; supporting teams winning new business; interacting with clients, agencies and other consulting firms; preparing detailed engineering calculations, CAD drawings, estimates, master planning, facilities condition assessment, construction support, preparation of plans, specifications and others documents for permitting and construction.

PROJECT EXPERIENCE:

CRESCENTA VALLEY WATER DISTRICT

- Conducting a preliminary feasibility study to use recycled water at Los Angeles County's Two-Strike Park.

ROSE HILLS MEMORIAL PARK

- Recently designed the recycled water retrofit for 600 acres of Rose Hills Memorial Park and Cemetery. The design included approximately 4,500 LF of 8" potable water/fire protection pipeline, 8,000 LF of 4" and 8" potable water pipeline, and modifications to the four (4) on-site wells and four (4) reservoirs. The project team is coordinating with Rose Hills staff, Upper San Gabriel Valley Municipal Water District, Los Angeles County Sanitation Districts, San Gabriel Valley Water Company, Los Angeles County Department of Public Health, and the Los Angeles County Fire Department. This project is funded by DWR Proposition 84, Round 3 – Drought Grant and MWD On-Site Recycled Water Retrofit.

WET INFRASTRUCTURE FACILITIES AND LAND DEVELOPMENT FOR THE CITIES OF TORRANCE, COMPTON, EL SEGUNDO, AND AZUSA

Civil Engineer for a variety of wet infrastructure projects ranging from water supply, wastewater collection, drainage and hydrology studies, storm water conveyance, pump stations, recycled water, site grading, access roads design, pre and post land development run-off, BMPs, LID, and storage facilities.

- Water resources studies for groundwater and well construction, Santa Clarita, CA.
- Groundwater assessment, well design, pumps layout, wellhead treatment options, & water rights allocations.

STRATEGIC PLANNING ASSESSMENT FOR REGIONAL USE OF RECYCLED WATER

- Strategic planning & design for up to 200 mgd of purified recycled water from the Los Angeles County Sanitation District to the Main San Gabriel Basin. The assessment included advanced water technologies (UV, RO, MF), ground water replenishment (GWR), spreading grounds, water quality, extraction wells, wellhead treatment pumping requirements, conveyance, as well as, reservoir reconnaissance studies (RA).
- Delta Wetlands Project, San Joaquin–Sacramento Delta Islands, CA (Western Development):
- Revamping of two Delta islands into reservoirs capable of storing 215,000 acre-feet of water; fatal flaw analysis; construction techniques and preparation of technical documents; project sensitivity analysis; coordination with agencies, internal teams, and other participant consulting firms.

ROWLAND WATER DISTRICT SUPPLY LA PUENTE VALLEY COUNTY WATER DISTRICT:

- Water Resources Engineer for planning, design, bid and construction for the conveyance, treatment, and storage of 3000 gpm local groundwater including production wells, pump stations, eight miles of pipe, best available treatment technologies for removal of contaminants and disinfection (LGAC, IX, UV, Chlorination, Chloramines), and storage.
- OCSDgroundwater replenishment, Edward C. Little recycling facility, Tillman water reclamation plant, San Jose Creek water reclamation plant.

SA

KEN MANERA
Construction Inspector

EDUCATION:
San Bernardino Valley College, Drafting Technology Courses
California Polytechnic University, Pomona, Courses in Construction Technology and Methods of Inspection

LICENSE:
Nuclear Gage Operation Certificate, State of California General Engineering Contractors License-A

CERTIFICATION:
American Concrete Institute Certificate: Field Testing Technician Grade I
APWA Certificate: Infrastructure Inspector CPII

COURSES:
Public Works Construction Inspection Course, State Certification: Hazardous Substance Removal and Remedial Action
San Bernardino County Storm Water Program, Construction of Quality Hot Mix Asphalt Pavement
San Jacinto Storm Water Program, "2002 Level 1 N.P.D.E.S. Workshop Storm Water Best Management Practices"
Riverside County DAMP, Storm water Management Team,
Airport Pavement Workshop: Design, Construction and Maintenance.

OVERVIEW:
Mr. Manera has over 40 years of experience working for small contract service and full service Cities, San Bernardino County as well as private consultant firms. The experiences include public works inspection, field and office engineering of street improvements, sewer, waterline, storm drain, parks, airports, commercial and residential land development, irrigation and landscaping, underground facility installations projects. Extensive experience in ensuring compliance with contract documents, state laws, local ordinances, NPDES standards, and proper construction practices.

PROJECT EXPERIENCE

CALTROP Engineering Corp.: Public Works Inspector
Inspected the required infrastructure work associated with construction of tract homes in the City of Fontana. The projects consisted of the construction of street improvements, curbs, gutters, asphalt paving, sewer, Flood Control channel, storm drain, and other improvements. The infrastructure project's total cost was $11M.

Additionally, inspected the construction of a $5M Ball Park improvements which included three baseball enclosures, tots play area, canopy picnic areas, sound wall, and the placement of a pre-fabricated structure having restrooms and snack bar within. In conjunction with the Parks Department's Inspector, the inspection included the parking lot, sewer, water connections, sidewalks, catch basins, grading, paving, concrete placement, street light foundations parking stalls, and striping.

City of Ontario: Senior Public Works Inspector
Capital Projects & Construction Inspector. Reviewed and applied the general requirements of the construction plans, and contract specifications to State, Federally or locally funded projects. Inspection included, but not limited to the following: wet and dry construction, excavation and the placement of various size sewer and water mains, street construction, (new or rehabilitated paving), concrete construction (curbs/gutters/sidewalks/catch basins/junction structures and reinforced concrete boxes), earthwork (roadbed preparation, trench excavation and backfilling), electrical (streetlights and signal installation), and soils testing with the nuclear gage as needed. Worked in conjunction with the City of Los Angeles' Airports Inspector in the construction of the infrastructure for Ontario International Airport.

San Bernardino Co. Public Work Agency (PWA): Contract Inspector
Performed construction inspection to ensure that the public works projects were being constructed in accordance with the plans and specifications. Duties included inspection of the construction activities within the County right-of-way, which consisted of inspection of commercial and residential developments as well as county capital projects.

San Bernardino Co. PWA: Senior Eng. Tech./Env. Report Writer
Prepared the environmental impact reports for the San Bernardino County Transportation Department for new construction. Duties included the inspection and evaluation of the site and its inhabitants (Kangaroo Rat, Desert Tortoise) and the effect that new construction would impose upon them. A Draft Environmental Impact Report followed along with Public Hearing for the public comments. The Draft reports were submitted to the State and Federal Clearinghouse for review.

San Bernardino Co. PWA: Eng. Tech.III Design Draftsman
Under supervision, designed and prepared construction drawings related to the construction and/or reconstruction of the County streets. Drawings included plan, profile, and construction notes and, detailed layout sketches. The work required collecting and analyzing an array of diverse recorded information; field and survey data needed to complete the design. Work encompassed County streets, drainage structures, new roadway construction and/or its realignment. Duties required the knowledge of the principles of civil engineering design.

SA

KAREN MEADOWS
Labor Compliance

PROJECT EXPERIENCE

2010 – Present **Riverside County Transportation Authority**
Consultant
Review various labor compliance and contract award documents, concerning the Rte 74/215 Separation Project in Riverside County. Prepare written reports of various violations and make recommendations for remedies and penalty assessment

2010 – Present **San Bernardino Association of Governments**
Consultant
Review various labor compliance and contract award documents, concerning the I-210 Construction and Landscape Project in San Bernardino County. Prepare written reports of various violations and make recommendations for remedies and penalty assessment.

2007 – Present **San Bernardino Association of Governments**
Consultant
Review various labor compliance and contract award documents concerning the San Bernardino 5th Street Bridge and continuing with Rte 215. Prepare written monthly reports of labor compliance violations or missing payroll documents and make recommendations for remedies and penalty assessment.

2005 **San Bernardino Association of Governments**
Reviewed various labor compliance and contract award documents, concerning the San Bernardino portion of the I-210 Construction Project. Prepared a written report of violations and made recommendations for remedies and penalty assessment.

2003 – January 2005 **Keenan & Associates**
Senior Labor Compliance Officer – Consultant
Keenan & Associates is a Third Party Administrator for AB 1506 School Bond Program, and in May of 2003, upon my retirement from Caltrans, I was hired to train and develop their labor compliance program.
Produced a video for the firm for labor compliance training; wrote various procedure manuals; developed all labor compliance forms; did presentations at pre-bid and pre-construction conferences; and had oversight of the entire labor compliance office, consisting of three labor compliance officers and 12 on-site inspectors. I performed audits of contractor's records, to substantiate payment of prevailing wages and the requirements of apprenticeship programs. Participated in several outreach activities and training for contractors preparing to bid on the construction projects.
In the two years that I consulted for Keenan & Associates, we contracted for seventy-eight contracts with a construction value of over $250 million.

1972 – 2003 **State of California**
Labor Compliance Officer (San Bernardino & Riverside Counties)

Supervised a staff of five labor compliance officers until retirement on March 1, 2003.

- Conducted audits of contractor payroll records and prepared formal labor wage violation cases. Attended hearings and testified in court proceedings
- Analyzed and interpreted federal and state laws regarding labor compliance, and made determinations based on findings. Reviewed and interpreted over thirty collective bargaining agreements.
- Participated in writing the California Transportation (Caltrans) procedures manual for labor compliance, which included the Disadvantaged Business Enterprise Program (DBE) and the Equal Employment Opportunity (EEO) Section.
- Had oversight responsibility of the local agency contracts in Riverside and San Bernardino Counties with federal aid regarding the Davis Bacon/State Prevailing Wage requirements, DBE, and the Sub-Letting Sub-Contracting Act.
- Trained and advised the local agency representatives concerning applicable state and federal laws.
- Audited local agency records for conformance to federal procedures and made recommendations for release of payment. Acted as a consultant to the local agencies regarding the proper subcontracting substitution procedures.
- Participated in hearing for contractors who were in violation of the Fair Practices Act or misuse of DBE listed contractors.

AWARDS:
Caltrans Construction "Outstanding Employee of the Year"

CERTIFICATES:
Prevailing Wage Seminars from both the Department of Industrial Relations and the Federal Highway Administration

TRAINING:
Taught classes for Caltrans Labor Compliance Officers from all over the State
Was Speaker at Valley College for Labor Compliance Enforcement on Public Works Contracts
Assisted representatives from the Federal Highway Administration in putting on training classes in San Bernardino and Riverside Counties

ACCOMPLISHMENTS:
Developed along with Joe Baca the first "Minority Enterprise Development Week", in San Bernardino and was a speaker at the seminar on Labor Compliance and Minority participation on Public Works Contracts.

SA

ART ORTEGA
Construction Inspector

OVERVIEW:

Mr. Ortega has been in the public works construction field for over 38 years. For 17 years he was with the Los Angeles County Department of Public Works, Road Maintenance Department. He gained hands on experience in road construction, which included asphalt paving, grading, concrete finishing, and operated various construction equipment. He held the positions of Road Maintenance Worker and Crew Leader. For the last 18 years, Mr. Ortega worked for Los Angeles County as a Construction Inspector, Senior Construction Inspector, and Head Construction Inspector, retiring in 2009. The last 2 1/2 years were spent at the Bridge Section of the Construction Division, providing inspection at bridge seismic retrofit projects.

Mr. Ortega has gained experience in the inspection and contract compliance of various construction projects that involved excavation, grading/compacting subgrade, placement of base material, and A.C. paving. He has also set forms and placed concrete sidewalk, curb/gutter, curb ramps, cross-gutters, concrete pavement, bus pads, storm drain catch basins, and various other parkway improvements.

He has inspected and monitored the removal and replacement of underground and above-ground fuel tanks, and the installation of the required pump dispensing equipment, and overhead canopies. He also inspected the construction of bike paths which included slope grading, rip-rap, landscaping and irrigation systems.

Bridge retrofit projects included the construction of pier extensions, shear keys, girder seat extenders, reinforced steel work, and C.I.D.H. piles.

Mr. Ortega coordinated activities between the Contractor, the Agency's survey crews, Materials Testing Lab, utility owners, as well as other cities and/or agencies. He inspected the installation of new traffic striping at the completion of the project. He made recommendations or changes as needed, negotiated and wrote change orders, processed monthly payments and wrote final reports at the completion of a project.

He monitored projects for environmental compliance procedures (SWPPP's & BMP's). He trained new inspectors and supervised 2 to 3 inspectors at various times when the workload required assistance of Contract Inspectors. He resolved disputes between the Contractor, Subcontractors, and the Agency, and others involved in the project.

PROJECT EXPERIENCE

Inspection of Bridge Retrofit Projects including:

- Slauson Avenue over the L.A. river, City of Maywood, construction cost of $1,397,000
  Construction of 72" and 24" C.I.D.H. piles, reinforced concrete beams, steel girder stiffeners, abutment seat extenders
- Florence Avenue over Rio Hondo Channel, construction cost of $224,000
  Seismic retrofit, installed girder shear keys, abutment seat extenders, supervised other inspectors
- First Street over White Avenue Bridge, City of Pomona, construction cost: $218,000
  Add shear keys, seat extenders
- Garey Avenue under Union Pacific Railroad Bridge, City of Pomona, construction cost: $160,000
- Towne Avenue under Union Pacific Railroad Bridge, City of Pomona, construction cost: $226,000 Seismic retrofit, reinforced concrete pier extension, girder shear keys, and abutment walls

Road Construction:
Fair Oaks Avenue, north of Woodbury Avenue, City of Altadena, construction cost: $2,719,000

SA

ROBERT H. PETERS
Construction Inspector

EDUCATION:
Saddleback College, Mission Viejo
General Education

TRAINING:
Completed 10 & 30-hour OSHA Training and Multiple Seminars in Surveying and Construction Technology

OVERVIEW:

Mr. Peters has over 37 years in waste water and treatment plant construction. He has inspected 5 below ground pump stations along with primary and secondary and digester tanks. He also has inspected sewer piping from 4" to 90" in treatment plants and throughout Orange County. He has inspected a fuel service station and a channel rehabilitation for the City Of Irvine. Also completed for the Butterfield Park Reclaimed Water line which included directional drilling and open cut construction for the City of Corona.

PROJECT EXPERIENCE

CITY OF POMONA

- Provided construction inspection services for the Sewer Pipeline Replacement - Citywide (Phase II) project.

CITY OF CORONA - BUTTERFIELD PARK RECLAIMED WATER LINE

- Inspected the directional drilling and installation of 24" fusion bonded HDPE piping under the Butterfield Airport. Also inspected the excavation and installation of 20" ductile iron piping, and installation of all valves, fire hydrants, blow off value units and cathodic protection along with backfilling and testing. Also inspected all street repairs as called for on plans and specifications.

CITY OF IRVINE, CA - SAN DIEGO CREEK IMPROVEMENTS

- Inspected all earthwork and the re-build of 5 grade structures with replacing existing and imported rip rap for approx. 5,000 feet of channel. Inspected all replacement of reinforcement steel and the placing of shotcrete on slopes of channel as called for on plans and in specifications. Replaced 1,500 linear feet of asphalt trail that was damaged by contractor along with concrete driveways and walkways. Inspected the installation of all new fence post and wire cable.

CITY OF IRVINE. - REMOVAL AND REPLACEMENT OF UNDERGROUND FUEL TANKS

- Inspected the demo of existing concrete, asphalt concrete, piping, fuel tanks and monitoring system and all related appurtenances. Inspected the installation of new 30,000 gal fuel tank with all new piping and monitoring system. The installation of new day tank for emergency generator for City Hall, along with new asphalt and concrete as called for on plans and specifications.

ORANGE COUNTY SANITATION DISTRICTS, FOUNTAIN VALLEY, CA

- Assist consultants, contractors and project managers with all phases of highly complex construction and rehabilitation projects at water and sewage treatment facilities. Review construction plans and drawings for accuracy, constructability, compatibility, errors and omissions. Identify problem areas and possible conflicts, and suggest solutions. Assist Resident Engineer with approval and/or tracking of any change orders.

- Assist Project Engineer with cost estimates of design changes forced by construction problems. Coordinate construction isolation requirements and schedule plant shut-downs with other departments. Advise all necessary parties on the impact of construction on plant maintenance and the waste treatment process. Work closely with safety representatives to analyze job hazards, monitor progress and ensure the safety of all employees throughout the construction process. Start-up and test all new and existing facilities after construction is complete. Conduct on-site inspections of mechanical pumps, heating, ventilation and air conditioning (HVAC) equipment, force main pumping and all related equipment. Inspect coatings, shorings, water proofing, reinforced steel, concrete, mechanical devices and building masonry. Inspect sandblasting, painting, and force-main-to-gravity piping from 10" to 42". Inspect all VCP, concrete, ductile and HDPE piping.

- Manage multiple outside laboratories for testing purposes, while carefully adhering to all submittal requirements. Maintain accurate records and documentation of all inspection reports, design changes, field test results and project logs.
- Served as Lead Inspector and provided guidance to a staff of junior inspectors. Oversaw the excavation and construction of multiple below-ground pump stations in the City of Newport Beach, valued between $9 million and $30 million. Provided inspection during all stages of construction of the primary and secondary construction projects at both the Fountain Valley and Huntington Beach treatment plants.

LOS ANGELES COUNTY SANITATION DISTRICTS, CITY OF CARSON, CA

- Completed regular inspections at the Carson Waste Water Treatment Plant, which processed 250 million gallons daily. Responsible for inspecting the Primary Digesters Tanks (5 concrete pre-stressed and reinforced circular tanks along with all mechanical piping and equipment).
- Worked extensively on the Carver-Greenfield Sludge Drying Energy Facility - a $200 million project which created steam for electricity. Oversaw the installation of structural steel, reinforced concrete, mechanical piping, conveyors, heating, ventilation and air conditioning equipment, masonry and roofing. Also inspected the Influent Pump Station and the Solids Processing Facility, ensuring that all pipes, valves, conveyors, centrifuges, equipment, building and roads complied with plans and specifications.

SA

ADAM ROESCH, E.I.T., CPSWQ, QSD/QSP
Engineer

EDUCATION:
California State University, Long Beach
B.S. Civil Engineering

REGISTRATION
Engineer in Training, California

SOFTWARE:
Microsoft Office
Adobe
Autodesk (AutoCAD)

OVERVIEW:

For this project, Mr. Roesch is available for either the Assistant Engineer, Technical Aide, or CAD Designer/Technician positions. Due to his knowledge of engineering principles, Mr. Roesch provides valuable engineering assistance to SA Associates. Also, due to his past and part-time experience in environmental engineering/water quality, Mr. Roesch provides valuable technical assistance, especially in areas related to NPDES permitting, etc. Mr. Roesch's CAD experience is primarily in AutoCAD software. He has used other Bentley (Microstation) software products for water and sewer projects. Mr. Roesch holds a Bachelor of Science in Civil Engineering as well as an Engineer-in-Training certificate.

PROJECT EXPERIENCE

CITY OF ARCADIA

- Assisted with preparing plans for the Orange Grove Disinfection System Upgrade Project. The project involved the installation of new DIP to connect the existing piping with three existing reservoirs. The project also involved the installation of a chlorine injector assembly, nitrate analyzers, drainage pipes, and concrete removal and replacement.

CITY OF CULVER CITY

- Assisted with preparing plans for the Washington Blvd and Washington Place Streetlight Improvement Project. The project involved the installation of new streetlight poles along three street segments, new conduit and pull boxes, new luminaries, and concrete removal and replacement.

CITY OF RIALTO / VEOLIA WATER SERVICES

- Currently providing engineering services for the preparation of Specifications for several utility replacement projects in the City of Rialto. Veolia Water has leased the City of Rialto's water utility and is planning to replace hundreds of water services, water meters, fire hydrants, and sewer manholes throughout the City's limits.

CITY OF SIERRA MADRE

- Currently assisting with preparing plans and technical specifications for the Grand View Sewer Main Improvement Project. The project involves utility research, the coordination with outside utility agencies such as MWD, the removal and replacement of approximately 400 linear feet of 10-inch VCP along Grand View Avenue as well as 750 square feet of street rehabilitation.

KINNELOA IRRIGATION DISTRICT

- Currently preparing plans for the East-West Tank Connector Pipeline Project. The project involves improving the reliability and service of the District's water distribution system by connecting the distribution system of its East Tank and West Tank Reservoirs with a 12-inch water line. In addition to the 12-inch water main, the project also involves the installation of a 4-inch DIP main alongside the 12-inch DIP main in order to abandon an existing 4-inch waterline that runs through private properties. Mr. Roesch performed the utility research, coordinated with utility companies within the project vicinity, and is currently assisting in preparing the plans.

LONG BEACH WATER DEPARTMENT

- Currently preparing plans and specification for the East 27th Street and Via Passilo Cast Iron Water Main Replacement Project which consists of the replacement of approximately 4,000 feet of 6 & 8 inch cast iron & ductile pipe.

- Provided inspection for the Groundwater Treatment Plant Chemical Tank Replacement Project – Phase I. The project involved the replacement of three existing polyethylene chemical storage tanks (two 13,500 gallon Sodium Hydroxide Tanks and one 10,000 gallon Catonic Polymer Tank) located within LBWD's Groundwater Treatment Plant, along with chemical piping, vent piping, liquid level indicators, and SCADA equipment.

ROSE HILLS MEMORIAL PARK

- Currently designing the recycled water retrofit for 600 acres of Rose Hills Memorial Park and Cemetery. The design includes approximately 4,500 LF of 8" potable water/fire protection pipeline, 8,000 LF of 4" and 8" potable water pipeline, and modifications to the four (4) on-site wells and four (4) reservoirs. The project team is coordinating with Rose Hills staff, Upper San Gabriel Valley Municipal Water District, Los Angeles County Sanitation Districts, San Gabriel Valley Water Company, Los Angeles County Department of Public Health, and the Los Angeles County Fire Department. This project is funded by DWR Proposition 84, Round 3 – Drought Grant and MWD On-Site Recycled Water Retrofit

CITY OF ANAHEIM

- Currently preparing plans and specifications for the 8" Water Main Replacement in County Glen Way for the replacement of 5,300 ft. of 6 & 8-inch ductile iron pipe with 6 & 8-inch polyvinyl chloride (PVC) pipe.

CITY OF SANTA MONICA

- Provided inspection during night work for the Water Main Replacement/Upgrade Project Project. The project involves the installation of approximately 10,000 ft. of 6" to 12" PVC C900 pipe in Olympic Boulevard and Ocean Boulevard including additional alleys.

DISNEYLAND RESORT

- Performed on-site inspection of stormwater runoff from construction activities, adjustments to the chlorination station control panel, documented resort-wide refrigeration systems, and calculated refrigerant volume of walk-in refrigerator units for AQMD compliance. Various data entry and field documentation.

- Collected NPDES stormwater samples for regulatory NPDES wastewater & stormwater permits and attraction discharge during construction activity.

- Documented resort-wide volatile chemical inventory for AQMD compliance. Included data entry and field documentation.

- Developed multiuser application for data entry of hazardous waste manifests using Microsoft InfoPath and Microsoft SharePoint Designer.

- Collected microbiological water samples for Health & Safety monitoring program. Provided project management assistance and contractor assistance during AQMD source testing programs.

TECHNICAL SUPPORT

- Currently providing technical support to senior engineering staff for various projects and proposal preparation. Support services include CAD drafting, data research, proposal preparation, specification editing, utility research & coordination, and overall project coordination.

SA

KEN SALEHPOUR
Construction Inspector

EDUCATION:
Brigham Young University, Provo, Utah
B.S., Civil Engineering

OVERVIEW:
Mr. Salehpour has over 39 years of experience in providing engineering, construction oversight and construction inspection services for roads, bridges, structural retaining walls, excavation, sewers and drainage projects for the Los Angeles County Department of Public Works. His tenure with the Department includes serving in various capacities as resident engineer, construction inspector, and supervisor. He has also provided consultant services to the Los Angeles County Department of Public Works for an additional three years. Mr. Salehpour has extensive experience working with the Caltrans Construction Manual, Standard Specifications and Standard Plans, as well as the exceptional ability to coordinate and work effectively with multiple project leaders.

Mr. Salehpour has provided construction inspection services for several federally funded/Caltrans street rehabilitation projects. Many of these projects were successfully audited by Caltrans. He also provided night construction inspection services for many streets/freeway projects that included on ramp, off ramp, and crossroads.

He is familiar with Caltrans encroachment issues, federal funding requirements, NPDES requirements and traffic control.

PROJECT EXPERIENCE

CITY OF BURBANK
Provided construction inspection services for the Safe Route to Schools - Federal Cycle I (Phase 1 & 2) Project. The work includes work involves construction inspection services for the construction of new PCC sidewalk, replace existing asphalt pavement, curb and gutter, driveway, and pedestrian ramps (bulb outs), traffic signal modifications (8 locations), traffic signing and striping; and traffic control.

CITY OF POMONA
Performed construction inspection services for federally funded Ganesha Park and Ride Project. Project involved high retaining wall with tieback and dead man, roadway, large parking area, and landscaping.

CITY OF SAN BERNARDINO
Provided construction inspection for two projects: Traffic Signal Installation at 30th Street and 210 Freeway (WB Exit Ramp- Waterman Ave.) and the Mt. Vernon Avenue Overcrossing at the BNSF Yards.

COUNTY OF LOS ANGELES
- Randolph Street from Holmes Avenue to Pacific Boulevard between the cities of Los Angeles and Huntington Park. Federally funded project. Performed final inspection services and all related documentation and interview work. Project was successfully audited by Caltrans.
- Freeway 60 and Hacienda Boulevard Project. Project involved night work, off ramp, and crossroads due to heavy vehicles.
- Freeway 405 and Wilshire Boulevard Project. Project involved night work, off ramp, and off ramp due to heavy traffic.

LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS
- **Supervising Contract Construction (Area Supervisor), 2004-2008**
  Some of the projects that were executed in this period are as follows:
  - La Tuna Debris Basin, **Los Angeles**. (Inlet construction)
  - Fair Oaks Ave. **Altadena**. (Road reconstruction)
  - Altadena Ave. **Altadena**. (Curb & gutter, sidewalk, cross gutter, catch basin, and road reconstruction)
  - Bull Creek Underground storm drain channel. **Granada Hills**. (Storm Drain Box Channel rehabilitation)
  - Trancas Water Pollution. **Malibu**. (Control plant rehabilitation)
  - Montrose Ave. @ Rosemont. **Glendale**.
  - San Martinez Road. **Val Verde**. (Catch basin and road reconstruction)
  - Bouquet Canyon Road. **Santa** Clarita. (Cold milling and resurfacing)

- Pacific Crest Park Landscape improvement. **Santa Clarita**. (Landscaping)
- Los Angeles River Outlets. Pipe Relining.
- Los Angeles River. **Los Angeles**. (LA River Inlet rehabilitation)
- Montana/Wilshire Stormwater Project. **Santa Monica**. Drain /pump system
- Little Tujunga Canyon Road Angeles National Forest. Pile drive, reinforced concrete retaining, backfilling, road repair
- Pipe Relining. **La Crescenta**. Concrete pipe inside lining
- Pacific Crest Park Landscape improvement. **Santa Clarita**. (Landscaping)
- Los Angeles River Outlets. Pipe Relining.

Head Construction Inspector 1996-2004

During this period, Mr. Salehpour not only supervised and assigned work to various inspectors, but also inspected many tasks including complex projects. Some of the projects during this period included:

General William J. Fox Airfield. **Lancaster**. Runway reconstruction, drain, lime treatment/base and AC pavement

- Marina del Rey Seawall restoration project. **Marina del Rey**. This project had 1800+ CIDH with double tiebacks. Concrete work, complex utility. (Electrical, cable, water, and sewer) AC Pavement.
- Montellano Ave, Et Al. **Hacienda Heights** (A landslide remediation contract) Reinforced retaining walls, tieback reinforced retaining wall, and CHID piles. Slope stabilization.
- Valley Blvd. Over San Gabriel River. **Bassett**/El **Monte**. Construction of a new bridge parallel to the old bridge and retrofit the old bridge at the same period.
- Slurry Seal Project – single slurry seal project type II that covered 64 miles of roadways in the
- Unincorporated areas of Los Angeles County including: **La Crescenta**, **Altadena/Pasadena**, **Arcadia/Monrovia**, **Azusa/Covina**, **Charter Oak**, **West** Covina/**Valinda**, and **Temple City**, **Rowland Heights**.
- Chip seal project (ARAM) **Altadena/Pasadena**
- Hacienda Blvd. **Hacienda Heights**. Roadway reconstruction and median island improvement/stamped concrete .
- E. Garvey Ave. **Monterey Park**. Street widening, curb and gutter, sidewalk, drain and roadway construction.
- Kays Ave. Et Al. **South San Gabriel**. Roadway improvement-street reconstruction, curb, gutter, walk & retaining wall.

Field Inspector/Supervising Civil Engineer Assistant 1986-1996

Some of the projects completed during this period included:

- Leffingwell Rd. Roadway reconstruction including: Sub-base lime treatment, base and AC pavement.
- Azusa Ave. **City of Industry** Roadway reconstruction - all concrete pavement
- Fullerton Rd. Et Al. **Rowland Heights**. Sand Slurry-Type II , median landscaping.
- Big Tujunga Canyon Rd. **Landslide Angeles National Forest**.
- Schabarum Regional Park. **Roland Height/Hacienda Heights**. Landscaping
- Brea Canyon Cutoff. **Rowland Heights**. Road and walkway Reconstruction
- Ganesha Park and Ride. **Pomona**.
- San Francisquito Canyon Rd. **Santa Clarita**. Hal Fiker Wall, slope stabilization, mountain road construction
- Cienega Ave. **Covina**. Street and walk reconstruction.
- Pathfinder Rd. **Hacienda Heights**. New roadway construction (connected two segments of Pathfinder Road)
- Glendora Mountain Rd. **Glendora**. (Pile driving and road repair)

Senior Construction Inspector 1981-1986

Reviewed plans, inspected roads and highways including street widening, highway alignments, road structural sections, storm drains, grades, materials, concrete pouring and finishing along with landscaping. Prepared cost estimates, wrote change order, daily report, and scheduling. Met with general public and representatives of various agencies. Mr. Salehpour had been the inspector for the following projects with each having their own specific specifications directed to new construction, reconstruction, or resurfacing:

- Stimson Ave. Hacienda Heights/City of Industry.
- Helen Dr. East Los Angeles
- Norwalk Blvd. Santa Fe Spring.
- Beverly Blvd. East Los Angeles
- Mines Blvd. Et Al. Santa Fe Spring.
- "E" Street Drain
- Colima Road Hacienda Heights
- Bonita Ave. Glendora
- McKinley Ave. Pomona
- Balan Road
- Carroll Ave. Et Al. Glendora
- McBride Ave, Et Al. East Los Angeles
- 7th Av. City of Industry
- Washington Blvd.&Sheila St. Dr. Commerce
- Gale Ave. Hacienda Heights.
- Julian Rd. Bassett.
- Nogales Street. City of Industry.
- Valley Blvd. Bassett
- Heathercliff Rd. Malibu.
- Badillo St. Covina
- Grand Ave.
- La Madrina Dr. South El Monte
- Longden Ave. Arcadia /Irwindale
- California Ave. Basset/La Puente
- Span Ave. Et Al.
- Donna Beth Ave. Et Al. West Covina
- Inglewood Ave. Inglewood
- Percy Street Et Al. East Los Angeles

SA

ERIC SCHOENEN, P.E., QSD
Project/Construction Manager, Construction Inspector

EDUCATION:
California Polytechnic University, Pomona
B.S. Civil Engineering, 1988
University of California, Riverside
Supervisory Excellence I and II, 1998

REGISTRATION:
Registered Civil Engineer, California

OVERVIEW:

Mr. Schoenen has over 20 years of experience with a mix of land surveying, design, plan check, conditions of approval, strategic planning, and capital improvement projects. He has over 16 years of experience working for a Water Utility Franchise. Experience includes budget estimating, scheduling, technical report writing, and City Council Agenda Reports. Responsible for coordination with professional consultants and staff to implement CIP projects as a project manager.

PROJECT EXPERIENCE

CITY OF SANTA MONICA

- Currently providing construction management and inspection services for the Water Main Replacement/Upgrade Project (SP 2297) which includes replacing and/or upgrading existing facilities and the abandonment of old facilities. The project consists of approximately 10,000 ft. of 6" to 21" PVC pipe on Olympic Blvd., Lincoln Ct., Pennsylvania Ave., 16th Ct., 17th Ct., 18th Ct., 20th Ct. Euclid Ave., and Ocean Ave. Some nighttime work will be involved because of heavy vehicular and pedestrian traffic on portions of the project.

LONG BEACH WATER DEPARTMENT

- Currently providing engineering services for design of the East 27th Street and Via Passilo Cast Iron Water Main Replacement Project which consists of the replacement of approximately 4,000 feet of 6 & 8 inch cast iron & ductile pipe.

CITY OF POMONA

- Recently provided construction management services for the Water Main Replacement - Park Avenue to replace about 2,000 linear feet of a 12 inch steel water distribution main in Park Avenue between Orange Grove and McKinley Avenue with a new 16-inch DIP main, including new hydrants and service connections. This project also aims to remove/replace about 520 linear feet of VCP sewer in Holt Avenue, about 220 linear feet of VCP sewer in White Avenue, and about 92 linear feet of VCP sewer in/adjacent to Via Estrella

LONG BEACH WATER DEPARTMENT

- Recently provided construction management and inspection services for the Groundwater Treatment Plant Chemical Tank Replacement Project – Phase I (2014)

CITY OF LYNWOOD

- Provided engineering services for the State Street and Tweedy Boulevard Water Main Replacement Project. The project included the design of 8 and 12-inch DIP to replace 6-inch CIP within the routes. Total length of replacement for the project was approximately 2,900 feet.

CITY OF POMONA

- Provided construction management and inspection services for Westmont Services Lateral Replacement Project. The project included 20 locations. Work included replacing 183 existing ¾-inch polyethylene laterals with 1-inch copper tubing from the meter connection to the water main within the right of way, replacing 23 meter boxes and relocating 8 meter boxes to the sidewalk in addition to replacing cracked/damaged meter boxes and lids.

  Provided construction management services for the Phillips Ranch Water Service Laterals and Flush Tanks/Lamp Hole Replacements and New Manhole Installation projects under the City's FY 2008-09 Water & Sewer CIP. Project included replacing approximately 464 service laterals ranging in size from ¾" to 2½".

  Provided construction management and inspection services for Sewer Replacement D Project No. 586-86018. Project was comprised of three (3) sewer main replacements;316 linear ft at 12 ft deep, 256 ft at 9.5 ft deep, and 200 LF at 7' deep. It also included nine (9) Sewer main spot repairs; six (6) at 10 ft, depth range between 8 ft to 12 ft and three (3) at 20 ft, depth 7.5ft, 10 ft and 7.8ft.

- For the city of Pomona, served as Senior Water Resources Engineer. Coordinated with Water Operations and Public Works to manage various projects. His primary task was associated with implementation of CIP design phase. He also worked on other projects such as administration of 30" waterline construction. Prepared a response and met with DPH regarding a DPH investigation of an SSO. Developed excel programs for operations staff to calculate flow of sewer spills, and another to calculate fire flows. Reviewed and coordinate the completion of an SSMP. Design and stake foundation/grading for a salt silo. Attended meetings related to outside water agencies.

- Provided construction management and inspection services for Sewer Replacement D Project. This Project was comprised of three (3) sewer main replacements in different locations totaling 574 linear feet. It also included nine (9) sewer main spot repairs at various locations throughout the City. This project included coordinating with operations/maintenance staff, reviewing CCTV videos, and providing recommendations on substitute MH to MH and point repair locations for contract locations that were not constructible. The inspection included ensuring SWPP best management practices were implemented.

- Provided construction management and inspection services for Westmont Service Lateral Replacement Project. Work included replacing 183 existing ¾-inch polyethylene water service laterals with 1-inch copper tubing from the meter connection to the water main, meter box replacement and relocation. Many of the main line service laterals were direct tap to an existing 12" ACP main line which required coordination with home owners, water maintenances staff, and water quality personnel to coordinate water main shut downs. Bacteriological testing was required to be performed and submitted to DHS when the main line experienced negative pressure during the shut downs.

CITY OF SOUTH PASADENA

- Provided QA/QC services for preparation of a Construction Specification Manual and Site Plan for the Arroyo Park Playground Improvements project. Grading and drainage will be evaluated. The site plan will be prepared considering existing above-ground topography and below-ground utilities (i.e. drainage, irrigation, telephone) and will attempt to minimize cut and fill (earthwork) activities. The work also includes paving and restriping of the parking lot.

CITY OF SOUTH PASADENA

- Provided Construction Management and Inspection services for Sewer Improvements on Arroyo Drive, Huntington Drive, Marengo Avenue, and Meridian Avenue (original contract total of 4,200 ft.). The work along Marengo Drive pertained to slip lining 310 LF of CIPP. Subsurface boulders larger than 6" were discovered along Arroyo Drive, and wet clay that could not meet compaction requirements was discovered during excavation of the other streets. These subsurface conditions were not indicated on the plans or in the specifications. The presence of the unknown soil conditions changed the contractors' process. The spoil along Arroyo Drive was screened and used for backfill. Wet clay along Meridian Avenue and Huntington Drive was exported and crushed rock and CMB was used for backfill. There were also many unknown utilities discovered during construction. This project required detailed documentation of the construction activities and constant coordination with the contractor and the City regarding change orders. The inspection included ensuring SWPP best management practices were implemented.

CITY OF CORONA

- For the city of Corona, served as Assistant Engineer, Associate Engineer, and Resource Engineer. Projects included:
  - Performed Project Management for Capital Improvement Program. Administered projects while overseeing others; Performed budget estimates, procured consultants and coordinated project designs, prepared front end specifications and coordinated the interface with technical specifications, prepared bid packages, advertised and answered bidders questions, coordinated preliminary construction meetings, shop drawing review and approval, requests for information, responses to potential change orders, project close out and notice of completion.
  - Participated in strategic planning. Determined existing and future needs of wastewater treatment. Assessment of water reservoirs by zone. Developed excel programs related to engineering and scheduling. Update of sewer and water master plans, and urban water management plan. Implementation of a groundwater management plan. Preparation of conditions of approval for land development projects. Various engineering studies including economic analysis of recycled water line construction.
  - Performed engineering plan check. Reviewed improvement plans for South Corona on a sewer and water infrastructure. Plan review for land development projects

SA

RANDY SETO
AutoCAD Designer

EDUCATION:
Pasadena City College, Pasadena, CA

OVERVIEW:
Mr. Seto has served as designer for such projects as water mains, sewer systems, grading plans, storm drains, water tanks, pump stations, reservoirs, and streets.

PROJECT EXPERIENCE

CITY OF ANAHEIM

- Prepared design plans for the Amberwood Water Main Replacement Project. This project consisted of the replacement of 4,600 lineal feet of 8-inch C900 PVC water mains.

- Prepared design plans for the Northfield Avenue and Willamette Drive Water Main Replacement Project for the city of Anaheim. The work included the replacement of approximately 4,600 feet of 8-inch C900 PVC pipe.

- Prepared design plans for the Katella Avenue Water Main Replacement Project. This project consisted of approximately 6,400 feet of ductile iron water mains on Katella Avenue from Brookhurst Street to Euclid Street and on Brookhurst Street from Crestwood Lane to Katella Avenue.

CITY OF AZUSA

- Prepared design plans for approximately 6,300 feet of 30-inch diameter ductile iron water pipelines on Dalton Avenue between Sierra Madre Avenue and 5th Street.

CITY OF HERMOSA BEACH

- Prepared plans for approximately 8,900 feet of street rehabilitation and 2,700 feet of sewer rehabilitation for the Loma Area Street and Sewer Rehabilitation Project.

CITY OF POMONA

- Prepared plans for the rehabilitation of Reservoir Street from Mission Boulevard to County Road; approximately 10,560 lineal feet, and Ellen Place from Reservoir Street to Marquette Avenue; approximately 530 lineal feet. The work included pavement rehabilitation and pavement overlay; adjustment of utilities to grade; striping; repair and construction of broken and missing sidewalks, curbs, gutters, pedestrian access ramps at street intersections and street lights.

- Prepared plans for design of the rehabilitation of Gibbs Street from Lincoln Avenue to San Bernardino Avenue, approximately 1,950 lineal feet. The work included pavement rehabilitation and pavement overlay, adjustment of utilities to grade, repair and construction of curbs, gutters, spandrels, pedestrian access ramps at street and alley intersections. The work also included an evaluation of the drainage issues at alley intersections, and a recommended design for proper drainage along the street alignments.

- Prepared plans for design of Franklin Avenue rehabilitation project which was approximately 1,200 feet, from Garey Avenue to Park Avenue.

- Prepared plans for the design of missing and/or broken sidewalk and ADA ramps on Mountain View Avenue from Phillips Boulevard to Grand Avenue; approximately 1,320 lineal feet. The work also included a portion of Grand Avenue, approximately 200 feet, at the intersection of Grand Avenue and Mountain View Avenue.

- Prepared design plans for the 30" Transmission Main Project. The work included approximately 12,000 feet of 30" diameter steel transmission water mains. This project included crossing two railroad tracks, connecting to an existing reservoir, and location of pipeline in the Caltrans right-of-way.

- Prepared design plans for the Water Main Pipeline Districts 4, 5 & 6 Project. The project included approximately 17,730 lineal feet of 6", 8", 10", and 12" water pipelines. The work included conducting utility and survey investigations.

- Prepared design plans for 24,500 feet of 6-inch, 8-inch, 12-inch, and 16-inch diameter water pipelines in various locations for their Priority Pipeline 1 Replacement Group 3 Project.

CITY OF LA HABRA

- Prepared design plans for the rehabilitation of two mobile home parks in the city of La Habra. The work included pavement, sewer, water, and drainage rehabilitation. Sewer work involved reviewing the sewer report and replacing sewer laterals, mainline, and cleanouts. The water work encompassed the installation of 6,000 feet of 8-inch PVC pipe, 300 pressure reducing valves, and two 8-inch water master meters. Streets will be cold milled and overlaid at both parks.

CITY OF RIVERSIDE

- Prepared design plans for the University Drive and Rumsey Drive Water Main Replacement project. The project consisted of approximately 6,000 feet of 8-inch ductile iron water mains.

CITY OF SAN DIMAS

- Prepared design plans for the Foothill Boulevard Street Resurfacing and Pavement Restoration Project. This project consisted of resurfacing and pavement restoration of Foothill Boulevard from Cataract Avenue to approximately 300 feet east of San Dimas Canyon Road in the city of San Dimas. The total length is approximately 5,800 lineal feet. The work included pavement rehabilitation and pavement overlay; adjustment of utilities to grade; striping; repair and construction of broken and missing sidewalks, curbs, gutters, pedestrian access ramps at street intersections; and replacement of survey monuments.

- Prepared design plans for the Bonita Avenue Resurfacing and Overlay Project. This project consisted of the rehabilitation of Bonita Avenue from Arrow Highway to Eucla Avenue, approximately 1,200 lineal feet. The work included geotechnical investigation, survey, pavement rehabilitation, AC overlay, and striping.

CITY OF SIERRA MADRE

- Prepared plans that included resurfacing of approximately 1,850 feet of the easterly half of Michillinda Avenue from Orange Grove Avenue to Sierra Madre Boulevard. The project included construction of asphalt concrete overlay on geo-textile fabric; replacement of missing curb and gutter; modification of existing driveway approaches; and preparation of striping plans.

CITY OF SIERRA MADRE

- Prepared design plans for the Water Main Replacement Projects. The work consisted of replacing approximately 1,940-feet of 6-inch diameter ductile iron water mains, fire hydrant assemblies, blow-offs, and service laterals.

CITY OF TUSTIN

- Prepared design plans for the construction of approximately 4,600 feet of PVC water mains. This project is located in residential streets.

SA

CHARLES "CHUCK" SIHLER
Construction Inspector

EDUCATION:
East Los Angeles College
University of California, Riverside
Mount San Antonio College, Walnut
Caffee College, Rancho Cucamonga
University of California Extension
Courses in Civil Engineering and Business Administration

MEMBER:
American Public Works Association
American Water Works Association
Los Angeles & San Gabriel Watershed Council
Society of American Military Engineers
Southern California Water Utilities Association

OVERVIEW:

Mr. Sihler retired from the city of Pomona in December, 1999 after 43+ years with the Public Works Department, including 36 years with the Water Department. He is familiar with the Greenbook and has coordinated projects with the California Department of Health Services.

PROJECT EXPERIENCE

CITY OF ARCADIA

- Provided construction inspection services for Baldwin Avenue Sewer Capacity Improvement Project which consists of the construction of approximately 915 feet of 15" VCP sewer replacement on Baldwin Avenue from Huntington Drive to Fairview Avenue.

CITY OF IRWINDALE

- Provided Construction Inspection Services for the Martin Road Sewer Lift Station Project. This project includes the construction of a replacement sewer lift station to replace the existing deteriorated wet well sewer pump station.

CITY OF BALDWIN PARK

- Provided construction inspection services for City's Syracuse Storm Drain Project. Project involved federal funding and labor compliance. Project consisted of installation of 2,250 linear ft of 24" through 48" reinforced concrete pipe, manholes, catch basins, transition structures & connector pipes, cross gutter, curb, gutter, sewer laterals, paving, & striping. Responsible for attending pre-construction meeting; reviewing contractor(s) submittals, responding to RFIs, reviewing & preparing CCOs; supervising labor compliance & monitoring services; recommending progress invoice payments; coordinating field inspection, material acceptance/testing, traffic control & lane closures; final job walk & preparation of the punch list.

CITY OF ALHAMBRA

- Construction Inspector on 3,200 feet of 12-inch ductile iron pipe water mains on Fremont Street, north of I-10 Freeway to Mission Road for CGvL Engineering. Fremont, in this area, is the 710 Freeway extension.

AZUSA LIGHT AND WATER DEPARTMENT

- Currently providing electrical inspection for the new Goldline Alameda Parking Structure and various City housing developments.
- Provided Construction Inspection Services for the W-266A Main Replacement Project.
- Provided Construction Inspection Services for the WVF-243 Main Replacement Project.

CITY OF LA PALMA

- Provided inspection services for an On-Site Sodium Hypochlorite Generating Systems Project at the Walker Well and City Yard Sites. The project involves civil, mechanical, structural, architectural, and electrical engineering aspects. The work includes a supervisory control and data acquisition system. The hypochlorite system will be located inside the existing well building.

CITY OF SAN BERNARDINO

- Provided Construction Inspection Services for three projects: 1) the Cajon Storm installation, a 12,200 LF+ of 48"-72" storm drain including a buried 450 ft. French drain, 2) a 1,214 ft. long 30" RCP storm drain in the BNSF right-of-way and San Bernardino Water Department Cajon Reservoir site, including a 330 ft. long concrete "U" channel spillway, feeding into the 30" drain, and 3) a street, sewer, and storm drain improvements for the Pine Trails Tract.

LONG BEACH WATER DEPARTMENT

- Provided inspection services for two alley service conversion projects for Earl & Locust Avenues and The Toledo. The work included abandoning the existing water mains and services in the alley and installing private water service lines to each house. The Earl and Locust Neighborhood had 195 conversions of 1" through 3" residential services. The Toledo Neighborhood had conversion of 21 conversions of 1" through 2" residential services.

WEST BASIN MUNICIPAL WATER DISTRICT

- Provided construction inspection services for the Anza Avenue Recycled Water lateral at Sepulveda Boulevard. This project is located in the city of Torrance and construction involves installation of approximately 200 feet of 6-inch diameter PVC recycled water pipeline on Anza Avenue at the Sepulveda Boulevard intersection. The work includes coordination meetings, daily inspection reports, coordination with the West Basin Municipal Water District (WBMWD) and other involved parties, coordination of shop drawing review, progress payment review, monitoring of schedule, change order review and processing, response to RFI's and RFC's, establishment of a punchlist, and start-up services.

CONSULTANT TO CITY OF POMONA

- Assisted project manager on water main installation and service conversion (inspection and technical advice) on two projects: Lincoln Park III and McKinley & White Avenue. A total of 111 services were transferred from the alleys to the front of the houses.

- Provided plan check services and constructability analysis on two projects for water main installation requiring service conversion. A total of 124 services were involved for conversion from the alley to the front of the houses.

CITY OF POMONA PUBLIC WORKS DEPARTMENT: Engineering Associate

- City NPDES negotiator - "Environmental - Special Projects Section":

  Responsible for the checking and preparation of all environmental documents for the Public Works Department, including Storm Water Pollution Prevention Plans (SWPPP's); Negative Declarations and Mitigated Negative Declarations. SWPPP's that we know today were refined and developed during this time frame and some of the Committees that he was involved with helped to bring them to their current form including the Los Angeles County EAC, where he represented the San Gabriel Valley for two+ years. Checking Environmental Reports was also his responsibility. Designed & formulated templates that facilitated preparing the completed Negative Declarations and Mitigated Negative Declarations on the City's construction projects.

- Engineering Construction Manager for various projects including:

  Project Manager on the 15 mgd Anion Exchange Nitrate Removal Facility, one of the first municipal design-build projects in California. Responsibilities included selecting the Construction firm [Sverdrup Engineering – St Louis], conducting weekly design review meetings and supervising inspection. [project completed in 9 months on a 15 month contract]

- Project Manager for alley conversion projects including:
  - Water main installation and conversion of 121 residential services in Garfield and Jefferson Streets from the alleys to the streets
  - Water main installation and conversion of 86 residential services in Columbia and Alvarado Streets from the alleys to the streets

- Designer & Project Manager for various pipelines, including:
  - Construction of 8", 12", and 16", 24" Manifold Lines
  - Loma Vista Replacement Line Project
  - Ganesha Hills 8" and 10" Hillcrest Drive Project

SA

DEEPAK SOLANKI. E.I.T.
Engineer

OVERVIEW:

Mr. Solanki has 29 years of experience as an engineer on street, sewer, grading, and flood control projects. He has also performed various calculations related to hydrology and hydraulics; earthwork; construction staking; topographic field and boundary surveys, etc. He is also familiar with preparing cost estimates and legal descriptions. He has prepared plans using AutoCAD.

EDUCATION:

M. S. University, Faculty of Technology & Engineering, India

B.S., Civil Engineering, 1982

REGISTRATION:

Engineer in Training, California, 2002

PROJECT EXPERIENCE

CITY OF SAN DIMAS

- Prepared plans and specifications for approximately 3,000 feet for the Rehabilitation of San Dimas Canyon Road from Foothill Boulevard to Romola Avenue for the city of San Dimas. The work includes removal and replacement of existing AC with 4" AC and 6" Class A Crushed Aggregate Base (CAB). All non-compliant handicapped ramps within the project limits to be replaced to comply with ADA.

- Prepared design plans for the Bonita Avenue Resurfacing and Overlay Project (Arrow Hwy to Eucla Ave). This project consisted of approximately 1,200 lineal feet pavement rehabilitation, geotechnical investigation, survey, AC overlay, and striping.

BALDWIN PARK

- Provided professional engineering / technical plan check services to produce the Final Parcel Map and Final Tract Map to the City. The work includes three plans for each map.

- Evaluated streets for the City's Pavement Management System (PMS) using an existing PMS database in Microsoft Access, listing various street segments. The work included driving the City streets and determining the condition of the streets. A Pavement Distress Data Form was completed for each segment and input into the PMS program. Damaged and/or missing sidewalk and curb and gutter were also included. A report was prepared for the City.

CITY OF HERMOSA BEACH

- Prepared plans and specifications for the Loma Area Sewer and Street Rehabilitation Project. The project consisted of approximately 8,900 feet of street rehabilitation and 2,700 feet of sewer rehabilitation for the Loma Area Sewer and Street Rehabilitation project.

COUNTY OF LOS ANGELES

- Prepared plans for six street rehabilitation projects designated as the Accelerated Road Construction Program: Irwindale Avenue, Et Al for the County of Los Angeles. Total length is 13,600 feet. A Materials Report was also prepared with recommendations for alternate methods of pavement rehabilitation. Asphalt rubber hot mix was used.

- Prepared plans for five street rehabilitation projects adjacent to the cities of Lancaster and Palmdale, designated as the Accelerated Road Construction Program: Avenue G, Et Al. The total length was 26,400 feet. A Materials Report was prepared with recommendations for alternate methods of pavement rehabilitation. Asphalt rubber hot mix was used.

CITY OF MORENO VALLEY

- Provided engineering services to the city of Moreno Valley. Mr. Solanki served as a Management Analyst/Project Coordinator for the Capital Projects Division. He served as an extension to City Staff, assisting in a variety of projects as follows:
  - Research and preparation of a master list consisting of unimproved and unmaintained streets within the City. Streets from the master list were further sorted and ranked using a priority matrix consisting of different criteria.
  - Preparation of a five year Capital Improvement Program for street improvements.
  - Updating and creating new City Standards.
  - Design of a Class II and III bikeway and street widening plans.
  - Cost estimating various capital improvement projects, budgeting and assisting in preparing applications for various grant program funds.

- Prepared plans and specifications for the City's Maintenance Zone "D" Project. The project consisted of approximately 2,700 feet of asphalt pavement restoration and overlay.

SA

MELVIN SUKOW, P.E.
Engineer

EDUCATION:
California State University, Fresno
B.S. Civil Engineering

REGISTRATION:
Registered Civil Engineer, California, No. PE 26673

MEMBER:
American Council of Engineering Companies of California (ACEC-CA) State Director
City of Los Angeles-City Engineer/ ACEC-CA Liaison Committee
American Society of Civil Engineers

OVERVIEW:

Mr. Sukow has over forty years of professional engineering experience in project planning, project analysis, project expediting and project design including surveying, mapping, planning, civil and structural aspects. He has provided consulting services for the preparation of plans and maps for subdivision, institutional, commercial and infrastructure type projects to land developers, agencies, architects and other engineering firms. Plans include street, sewer, storm drain, grading and structural plans. Also providing various surveying and mapping functions such as design surveys, construction surveys, legal descriptions, right-of-way maps, etc.

PROJECT EXPERIENCE

CITY OF LOS ANGELES, BUREAU OF ENGINEERING, LOS ANGELES, CA – DESIGN ENGINEER

Worked in the following design areas:

- Street Design-Prepared designs for new and widening type projects. Projects included associated storm drain, sewer and utility design.
- Subdivision Development-The tasks included survey, mapping, planning and civil engineering aspects of projects.
- Structural Engineering-The work included bridge designs, building designs and wall designs.
- Construction Engineering-During the construction phase of projects provided engineering support by reviewing shop drawing submittals, responding to request for information and modifying plans to deal with field conditions.

Transportation Engineering - Served as the liaison between Caltrans and the City's Bureau of Engineering on all Caltrans' projects.

SKIRBALL CULTURAL CENTER - Provided all mapping, surveying and civil work including easement descriptions and parking, grading, retaining wall, site sewer, site water, storm drain, public sewer and public street plans.

CEDARS SINAI HOSPITAL - Provided campus wide surveying data, parking plans, public street plans, grading plans and building placement controls.

WESTCHESTER PARKWAY – LAX - Managed design of two mile street project and the subdivision of 400 acres on the north side of LAX. This task included mapping, surveying, grading, bridge plans, street plans, sewer plans, storm drain plans and utility coordination.

NORTHRIDGE HOSPITAL - Provided design and surveying services to reconstruct site and site utilities after 1994 earthquake. Also, provided the surveying and site design of new child care facilities.

HUNTINGTON MEMORIAL HOSPITAL - Provided surveying and site design of new generator plant facilities, provided design survey for hospital expansion, and provided construction surveying for new parking lot.

CITY OF BURBANK - Provided civil design for Grismer Street Center for the Community Apartments.

MEDICAL CENTER SIMI VALLEY - Provided the mapping, surveying and civil engineering services to convert existing commercial center into a medical clinic.

VALLEY VILLAGE - Provided all civil plan and surveying work including grading, retaining walls, site sewer, site water, and storm drain.

NORTH SPRING STREET BRIDGE OVER LA RIVER WIDENING, LOS ANGELES - Mr. Sukow managed the utility coordination and the underground infrastructure design for this project. The project included the widening of a magnificent historical arch Bridge over the Los Angeles River. The structure was built in 1928. The bridge is 680 feet long and only 45 wide. In order to meet the standard design requirements and provide sidewalks and bike lanes, the City is widening the structure on the south side. The bridge crosses over 4 Metrolink and UPRR tracks with minimum clearances. The City used this widening project to include a new 12" and 16" reclaimed water line through the bridge and beyond the bridge to the limits of the total street widening project. The project also involved the relocation of high voltage lines and communication lines that were in the way of the widening. Storm drains and a trunk line sewer also had to be relocated as part of the project. Mr. Sukow's team provided for the development of the plans needed for these and other relocations and produced a composite utility plan for the entire project development. Mr. Sukow is also providing support services during construction.

PARK PLAZA WEST - Provided all civil plan and surveying work including grading, retaining walls, site sewer, site water, and storm drain.

MEDIA CENTER - provided civil design for multi-phase commercial building complex in the City of Burbank located near the Burbank Airport. Work included sewer, storm drain, grading and street design.

TRACT NO. 45405, ZELZAH AVENUE - Provided grading and public improvement plans for 13 lot hillside subdivision

PARAMOUNT PICTURES - Provided design of new intersection entry at Bronson Avenue

STARBUCKS SIMI VALLEY - Provided civil design for new Starbucks including public street improvements

PARK LA BREA - provided civil design and structural design for new park facility. Provided various design for other facilities within the complex including sewer, storm drain, grading and street design.

PINNACLE - provided civil design sewer, storm drain, grading and street design for seven story commercial building. Project is Located in the City of Burbank.

TRACT NO. 4403, COUNTY OF VENTURA – 155 LOT HILLSIDE SINGLE FAMILY HOMES - Mr. Sukow was the project manager for the development of this project. Over 155 lots were created in the hillside area of the West Oak Park area within the County of Ventura. This included the creation of a new mapped subdivision with new roadway system to service the new lots. Mr. Sukow, as project manager for this project, oversaw all surveying, mapping, design engineering, construction surveying and construction engineering aspects of the project. The new streets included all underground facilities within the street. The waterline design was done to the standards and specifications of the Metropolitan Water Company located in the County of Ventura. The project was funded by Pardee Construction Company.

SERRAO MIXED-USE COMMERCIAL/CONDOMINIUM PROJECT - Provided the project management and design for the civil engineering, surveying and mapping portions of the project. The project is located at the southwest corner of the intersection of Ventura Boulevard and Woodley Avenue in the City of Los Angeles. The project involved the redevelopment of an existing site that contained a multi story office building to remain, included the demolish of a single story commercial retail center and provided for the construction of a combined retail/residential multi story building with underground parking. Mr. Sukow managed his portion of the project from conception to completion of construction. This included the preparation and filing of subdivision maps with the City, preparation of public facility plans such as street widening plans and preparation of all on-site civil plans.

SA

SCOTT WALZ
AutoCAD Designer

EDUCATION:
Riverside Community College, Norco Campus
Engineering Coursework
Westech College, Ontario
AutoCAD Civil 3-D Training
California Polytechnic University Pomona
Bachelor of Architecture
B.S. Civil Engineering

REGISTRATION:
Engineer in Training
E.I.T. No. 128481

MEMBER:
American Society of Civil Engineers, Younger Member Forum
Engineers Without Borders, Inland Empire Chapter
Kiwanis International, Circle K

OVERVIEW:
Mr. Walz has eight years of experience of CADD and inspection experience.

PROJECT EXPERIENCE

CITY OF GLENDORA

- Prepared plans for well head facilities and well pump for new well No.14. The new well is located at Willow Springs Park near the intersection of Leadora Avenue and Willow Springs Lane east of Sellers School. The site is located in a residential area and is approximately 0.5 acre. The well capacity is approximately 350 gallons per minute and the Pumping level is at 480 feet below ground surface.

CITY OF LYNWOOD

- Prepared plans for pump house facilities for a new municipal supply well No. 22. The site is located adjacent to a residential area and is approximately 5,000 square feet. The well capacity is 2,500 gallons per minute and at a pumping level of about 130 feet below ground surface. The well casing is 18 inches in diameter and the well discharge piping is 12 inches in diameter.

CITY OF POMONA

- Prepared plans for the District 6 Phase IV Water Main Replacement Project for approximately 7,300 feet of 10" and 12" ductile iron water mains in Bonita and Towne Avenues. The design includes above ground PRV station design. This project will cross railroad tracks and requires a permit from the SCRRA/Metrolink.

- Prepared plans for the District 1, 2, and 5 Water Main Replacement Project for approximately 4,220 feet of 8", 10", and 12" ductile iron water mains in various streets. The design includes above ground PRV station design. This project requires a permit from Caltrans for two freeway crossings.

KINNELOA IRRIGATION DISTRICT

- Prepared plans for the Windover and Sierra Madre Villa Water Main Replacement Project in the city of Pasadena. The work consisted of 2,210 feet of 8, 10, 12, & 16" ductile iron pipe, new water services, and new fire hydrants. Designed an above ground valve vault for the discharge piping from a system reservoir. The vault design included structural and piping revisions to improve the accessibility of the reservoir discharge piping.

IRVINE RANCH WATER DISTRICT

- Provided inspection services for IRWD's Natural Treatment Systems (NTS) El Modena Park. The project involved implementation of a portion of the NTS Master Plan that was intended to assist the County of Orange and various cities in meeting the Total Maximum Daily Load (TMDL) requirements for the San Diego Creek Watershed as set by the Santa Ana Regional Water Quality Control Board. The project required working closely with representatives from IRWD, the County of Orange, the City of Orange, and the designer of records.

- Provided inspection services for the IRWD's Natural Treatment Systems (NTS) In-Lin Basins Project. This project involved implementation of a portion of the NTS Master Plan that was intended to assist the County of Orange and various cities in meeting the Total Maximum Daily Load (TMDL) requirements for the San Diego Creek Watershed as set by the Santa Ana Regional Water Quality Control Board.

CITY OF PERRIS

- Prepared street improvement plans, sewer and water plans, and roadway typical sections for Stone Ridge, a 694 acre residential development project located in the unincorporated portion of Riverside County, just south of Perris lake and the Ramona Expressway. The project ultimate development would contain about 2,200 homes. The project was highlighted by the development of two detention basins; one 25 acres and the other 6 acres. The large site was designed to contain the 100 year storm multi-day storm for the whole site and may double as a recreational part.

PHILLIP E. WEST, P.E., QSD/QSP
Engineer

EDUCATION:
California State University, Long Beach
B.S. Civil Engineering

REGISTRATION:
Registered Civil Engineer, California, No. 77453

Qualified SWPPP Developer (QSD)
Qualified SWPPP Practitioner (QSP)
Certificate No. 25034

OVERVIEW:

Mr. West serves as an Engineer for projects related to water and wastewater systems. In the past few years, he has worked on a number of street rehabilitation projects for several public agencies. Other projects include water mains, storm drain, sodium-hypochlorite generation, and street rehabilitation projects.

PROJECT EXPERIENCE

CITY OF ANAHEIM

- Currently preparing plans and specifications for the 8" Water Main Replacement in County Glen Way for the replacement of 5,300 ft. of 6 & 8-inch ductile iron pipe and 6 & 8-inch polyvinyl chloride (PVC) pipe.

- Prepared plans and specifications for the Katella Ave. 8-inch Main Replacement Project. The project consisted of over 1,500 lineal feet of water main along Katella Ave. from Jean St. to Brookhurst St. and several 6-inch lateral tie-ins. The design of the project required close coordination with the Katella Ave. Street Widening Project design plans to insure the design and location of the main allowed for ease of construction for existing street conditions as well as ease of access for the proposed conditions, which included a widened street with a raised median and sound-proof walls for residents.

CITY OF COMMERCE

- Currently providing design services to the City of Commerce for water main (fire flow), and pavement improvements to its Camp Commerce site in Lake Arrowhead, CA. The scope of services include evaluation of alternative alignments, coordination with outside agencies including Caltrans, San Bernardino County Fire Department, and Lake Arrowhead Community Services District (LACSD), and engineering design. The design includes a connection to an existing LACSD 8inch main in State Hwy. 173 and structural rehabilitation of a snow drop concrete pad.

ROSE HILLS CEMETERY

- Currently designing the recycled water retrofit for 600 acres of Rose Hills Memorial Park and Cemetery. The design includes approximately 4,500 LF of 8" potable water/fire protection pipeline, 8,000 LF of 4" and 8" potable water pipeline, and modifications to the four (4) on-site wells and four (4) reservoirs. The project team is coordinating with Rose Hills staff, Upper San Gabriel Valley Municipal Water District, Los Angeles County Sanitation Districts, San Gabriel Valley Water Company, Los Angeles County Department of Public Health, and the Los Angeles County Fire Department. This project is funded by DWR Proposition 84, Round 3 – Drought Grant and MWD On-Site Recycled Water Retrofit.

CITY OF GLENDORA

- Prepared plans for well head facilities and well pump for new well No.14. The new well is located at Willow Springs Park near the intersection of Leadora Avenue and Willow Springs Lane east of Sellers School. The site is located in a residential area and is approximately 0.5 acre. The well capacity is approximately 350 gallons per minute and the Pumping level is at 480 feet below ground surface. The well casing is 18-inch diameter and the has an inflatable packer to allow isolation of groundwater between 385 feet and 410 feet below ground in the event water quality issues are encountered. Disinfection provisions is a temporary sodium hypochlorite feed system utilizing a drum and drum pump. The project also involved field verification of SWPPP/BMP items at the site.

KINNELOA IRRIGATION DISTRICT (Pasadena, CA)

- Currently preparing plans & specifications for design of the East-West Tank Connector Pipeline consisting of 2,800 ft of 12" DIP, including connections to existing main, Design of 960 ft of 4" DIP, including connections to existing 4" steel tunnel line, Design of 2 Los Angeles County Flood Control Channel crossings.

- The Kinneloa Irrigation District contracted with SA Associates to prepare a Preliminary Design Report (PDR) to determine design parameters, evaluate alignment options, and to provide cost estimates for the construction of approximately 2,800 ft. of 12-inch water line across hilly terrain connecting the distribution systems of its East and West Tanks. The report included a detailed description of the existing site conditions as well as exhibits and photographs which highlight the key issues affecting the proposed water main design and construction. The PDR concluded that the construction can be combined as one project segment, or phased into three separate project segments.

- Prepared plans and specifications for the Windover and Sierra Madre Villa Water Main Replacement Project in the city of Pasadena. The work consists of 2,210 feet of 8, 10, 12, & 16" ductile iron pipe, new water services, and new fire hydrants. Aided the District during the bid process

- Prepared plans and specifications for the design and construction of water mains within the Kinneloa Mesa neighborhood. The work includes the installation of four (4) water mains in separate streets along with the installation of five (5) fire hydrant assemblies in accordance with LA County Fire Department requirements. Aided the District during the bid process.

- Prepared detailed plans for the design and installation of a 10-inch water main along New York Drive. The work includes the installation of a 10-inch water main, an air release valve, blow-off assembly, fire hydrant assembly, and other connections and appurtenances.

LONG BEACH WATER DEPARTMENT

- Currently preparing plans and specification for the East 27th Street and Via Passilo Cast Iron Water Main Replacement Project which consists of the replacement of approximately 4,000 feet of 6 & 8 inch cast iron & ductile pipe.

CITY OF LYNWOOD

- Prepared plans and specifications for the State Street and Tweedy Boulevard Water Main Replacement Project. The project includes the design of 8 and 12-inch DIP to replace 6-inch CIP within the routes. Total length of replacement for the project is approximately 2,900 feet.

CITY OF PICO RIVERA

- Prepared plans and specifications for the 3 Water Main Inter-Ties Project. The project includes the design of three (3) interconnections between exist mains at separate locations throughout the city. The design involves pressure regulating stations connecting the City's water system to Pico Water District's system at three separate locations for an estimated construction cost of over $250,000.

CITY OF POMONA

- Currently preparing plans and specifications for the Water Main Replacement - Park Avenue. to replace about 2,000 linear feet of a 12 inch steel water distribution main in Park Avenue between Orange Grove and McKinley Avenue with a new 16-inch DIP main, including new hydrants and service connections. This project also aims to remove/replace about 520 linear feet of VCP sewer in Holt Avenue, about 220 linear feet of VCP sewer in White Avenue, and about 92 linear feet of VCP sewer in/adjacent to Via Estrella.

- Prepared plans and specifications for District 6 Phase IV Water Main Replacement Project for approximately 7,300 feet of 10" and 12" ductile iron water mains in Bonita and Towne Avenues. This project will cross railroad tracks and requires a permit from the SCRRA/Metrolink.

- Prepared plans and specifications for the District 1, 2, and 5 Water Main Replacement Project for approximately 4,220 feet of 8", 10", and 12" ductile iron water mains in various streets. This project requires a permit from Caltrans for two freeway crossings.

CITY OF SOUTH PASADENA

- Provided engineering services for preparation of a Construction Specification Manual and Site Plan for the Arroyo Park Playground Improvements project. Grading and drainage were evaluated. The site plan was prepared considering existing above-ground topography and below-ground utilities (i.e. drainage, irrigation, telephone) and attempted to minimize cut and fill (earthwork) activities. The work also includeds paving and restriping of the parking lot.

SECTION IV: HOURLY CHARGE RATES AND EXPENSE REIMBUSEMENT SCHEDULE

RATES EFFECTIVE JULY 1, 2015 TO JUNE 30, 2018

Hourly Rates

Position	July 1, 2015 - June 30, 2016	July 1, 2016 - June 30, 2017	July 1, 2017 - June 30, 2018
Principal-in-Charge	$195.00	$200.00	$205.00
Project Manager/Construction Manager	$150.00 - $190.00	$155.00 - $200.00	$160.00 - $205.00
Engineer	$110.00 - $135.00	$115.00 - $140.00	$120.00 - $145.00
Construction Inspector	$ 90.00 - $120.00	$ 95.00 - $125.00	$ 98.00 - $130.00
AutoCAD Designer	$ 95.00	$ 98.00	$100.00
Clerical	$ 78.00	$ 80.00	$ 82.00
Two-Man Survey Crew	$230.00	$235.00	$240.00

Reimbursable In-House Costs

Photo Copies	$ 0.15/each
Blueprints	$ 0.50/S.F.
Vehicle mileage, between engineer's office and project site and/or client office, will be billed at	$ 0.58/mile

Other Reimbursables

Reproduction, special photography, printing, and any other services performed by subcontractor will be billed at	cost + 15%
Postage, Delivery Service, Express Mail	cost + 15%