



CITY OF
HERMOSA
BEACH



PROPOSAL FOR PROFESSIONAL ENGINEERING SERVICES

ON-CALL ENGINEERING DESIGN SERVICES FOR UTILITIES
(SEWER, STORM DRAIN)

RFQ# 20-02



ADAMS STREETER
Civil Engineers

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| <ul style="list-style-type: none"> • Certification of Proposal • Non-Collusion Affidavit • Compliance with Insurance Requirements • Acknowledgement of Professional Services Agreement | |

I. COVER LETTER

September 21, 2020

Andrew Nguyen, Project Manager
City of Hermosa Beach
Department of Public Works, Engineering Division
1315 Valley Drive
Hermosa Beach, CA 90254



SUBJECT: Proposal to Provide On-Call Engineering Design Services for Utilities, RFQ 20-02.

Dear Mr. Nguyen,

Adams Streeter Civil Engineers (ASCE) appreciates the opportunity to submit our Statement of Qualifications (SOQ) to the City of Hermosa Beach Public Works Engineering Division in response to the Request for Qualifications (RFQ) to provide On-Call Engineering Design Services for Utilities (Sewer, Storm Drain).

ASCE is a full-service civil engineering and land surveying firm that specializes in project delivery for local and regional public agencies, special districts and private developers, and have been providing engineering, surveying and related services for the past thirty-nine years. We are committed to working seamlessly with your staff and has the expertise and resources necessary to assist the City in providing the necessary on-call engineering and related services in a timely, efficient and cost-effective manner. We have also included ECORP Consulting and NMG Geotechnical on our team to provide CEQA environmental and geotechnical related services in support of on-call projects within the span of this two-year contract. ASCE takes pride in our ability and commitment to complete every project successfully and have not refused or failed to complete any contracts that was previously undertaken.

This SOQ is made without collusion with any other person, organization or party submitting a proposal and it is in all respects fair and in good faith without collusion or fraud. This SOQ shall remain valid for a period of not less than ninety (90) calendar days from the date of submittal. The signer of this Proposal has the full authority to bind Adams-Streeter. The point of contact during the proposal evaluation period is as follows:

Khoon Tan, P.E., Director of Municipal Services
Office: (949) 474-2330 x231, Cell: 949-390-0984, Email: ktan@adams-streeter.com
Secondary Contact: Mohammed Abadi, P.E. (949) 474-2330 x209, Email: mabadi@adams-streeter.com

Thank you for this opportunity to be of service to the City of Hermosa Beach. Please don't hesitate to contact Mr. Tan for any questions about any portion of this Proposal during the evaluation period.

Sincerely,

Randal L. Streeter
President / Principal In-Charge

II. FIRM PROFILE

FIRM QUALIFICATIONS

AREAS OF EXPERTISE

**CIVIL ENGINEERING &
LAND SURVEYING**

SELECT AWARDS

HomeAid Orange County & OC United – *Recognition of Contribution to the OC United THRIVE Quad Development, 2019*

Family Assistance Ministries & HomeAid Orange County – *Recognition of Contribution to the Calle Canasta House, 2016*

American Society of Civil Engineers, Orange County Branch – *Land Development Project of the Year Award for Lambert Ranch, 2013*

American Public Works Association, Southern California Chapter – *2016 Storm Water Quality Project of the Year for the Glassell Campus LID Retrofit & Parking Rehabilitation Project*

American Society of Civil Engineers, Orange County Branch – *2017 Outstanding Sustainable Engineering Project, 2017.*

American Society of Civil Engineers, Region 9 (CA) – *2010 Outstanding Community Improvement Project for the Irvine Ranch Outdoor Education Center*

Orange County Engineering Council – *2010 Engineering Project Achievement Award for the Irvine Ranch Outdoor Education Center*



ADAMS STREETER CIVIL ENGINEERS is a premier civil engineering and surveying firm that specializes in project delivery for local and regional public agencies, special districts and private developers. We are a client-centered, service-oriented small business dedicated to providing exceptional services through thoroughness, rapid turnaround, cost efficiency and quality work.

FIRM BACKGROUND

Adams Streeter is founded by Jan Adams and Randal Streeter in 1981, and is headquartered in Irvine, California. The firm is a small business enterprise with over 38 years of experience and specializes in private and public-realm design through innovative and cost-effective design solutions for dozens of public municipalities and private entities throughout California. The firm is currently staffed by twenty-three employees, comprising of fourteen civil engineers and technicians, six surveyors and mappers, and three administrative staff.

EXPERIENCE

Parks, Open Space & Trails
Street Beautification, Improvement, Rehabilitation
Public Facility Improvements and Renovations
Office and Retail Facilities
Single and Multi-Family Residential Developments
Urban In-Fill/Mixed-Use Developments
Affordable Housing
Campus Housing Planning and Design
Commercial and Industrial Site Development
Retail Site Development
Public and Commercial ADA Upgrades

CAPABILITIES

Streetscape and Parking Lots
Parks & Open Space
Low Impact Development, Stormwater Management and Water Quality
Hydrology and Hydraulics
Site Development, Planning and Due Diligence
Site Grading & Earthwork
Site ADA Evaluations
Storm Drainage and Sanitary Sewer
Domestic and Reclaimed Water
Plan Check / Plan Review
Boundary Surveys, Land Title Surveys, Topographic Survey, Construction Staking, As-built Surveys and Mapping Services

BUSINESS INFORMATION

- A. Legal Name & Address:** Adams Streeter Civil Engineers, Inc.
16755 Von Karman Avenue, Suite 150
Irvine, CA 92606
- B. Organizational Structure:** California "C" Corporation
- C. Federal Employer I.D.** 953567440
- D. Certification** Small Business Enterprise (Certification No. 59891)
- E. Years in Business:** 39 Years (Under Present Business Name)
- F. Firm Contact:** Randy Streeter, PE
949-474-2330 x203; rstreeter@adams-streeter.com
- G. Primary Proposal Contact:** Khoon Tan, PE, QSD
949-474-2330 x231; ktan@adams-streeter.com

Adams Streeter Civil Engineers (ASCE) is a full-service civil engineering and surveying firm that specializes in project delivery for local and regional public agencies, special districts and private developers, and have been providing civil engineering and surveying services in Southern California since 1981 to both our public and private sector clients. ASCE is a California "C" corporation that was incorporated in January 8, 1981 by Jan Adams and Randal Streeter and is a small business enterprise (SBE) based in Irvine, California. ASCE is not a subsidiary company that is owned by another parent or holding company. Over the last thirty-nine years of business, the company has earned a reputation for thoroughness, rapid turnaround, cost efficiency and overall quality of work and is one of Orange County's premier firms for civil engineering and surveying services. ASCE takes pride in the fact that ninety percent (90%) of our business comes from repeat clientele due in part to our quality of work, competitive prices and our ability to meet deadlines.

ASCE have extensive experience and a proven track record in providing Public Works related services encompassing the civil engineering, survey and mapping fields to various cities, municipalities and districts including, but not limited to the following:

| | | |
|--------------------------|-----------------------------|---|
| City of Aliso Viejo | City of Newport Beach | Chino Basin Desalter Authority |
| City of Anaheim | City of Orange | Eastern Municipal Water District |
| City of Buena Park | Coast College | Irvine Ranch Water District |
| City of Diamond Bar | Concordia University | Irvine Campus Housing Authority |
| City of Fullerton | City of Perris | Jurupa Community Services Dist. |
| City of Garden Grove | City of Redlands | Long Beach City College |
| City of Hermosa Beach | City of Riverside | Orange County Water District |
| City of Huntington Beach | City of San Clemente | Santa Margarita Water District |
| City of Irvine | City of San Juan Capistrano | Riverside County Flood Control District |
| City of La Habra | City of Santa Ana | Trabuco Canyon Water District |
| City of Laguna Niguel | City of Tustin | University of California, Bakersfield |
| City of Lake Elsinore | City of Villa Park | University of California, Irvine |
| City of Loma Linda | City of Yorba Linda | Vanguard University |
| City of Mission Viejo | County of Orange | California Department of Transportation |
| City of Moreno Valley | County of Riverside | |

STATEMENT OF QUALIFICATIONS FOR ON-CALL ENGINEERING DESIGN SERVICES FOR UTILITIES

ASCE have also provided services on numerous development and facility improvement-based projects (residential, commercial, industrial) to our private clientele that involves extensive public infrastructure improvements including, but not limited to the following:

| | | |
|--|--|---|
| Amgen | Irvine Unified School Dist. | Sukut Construction |
| Armada, LLC | John Laing Homes | SunCal Companies |
| Arnel Development | Joseph Nicholas Homes | Sunrise Communities |
| Artisan Communities | K. Hovnanian Companies | Taylor Morrison Homes |
| Barratt American | Kaufman & Broad | The Garrett Group |
| Baywood Development | Keystone Pacific | The Irvine Company |
| Boeing Realty Corporation | Koll Company | The Olson Company |
| Brookfield Homes | Lambert Ranch | Valeo Companies |
| CalAtlantic Homes | Lennar Communities | Warmington Homes |
| California Pacific Homes | Mastercraft Homes | William Lyon Homes |
| Centex Homes | MBK Homes | Catalina Freight Line |
| Citation Homes | Oak Tree Industries | Schafer Logistics |
| Cook Hill Properties | O Hill Partners | Travis Companies, Inc. |
| D. R. Horton Homes | Pacific Communities | Urban Commons |
| Fieldstone Development | Pardee Construction | Ferrado |
| Griffin Communities | Pulte Homes | Shlemmer Algaze Assoc |
| Habitat for Humanity | Rancho Mission Viejo Co | TD Architects, Inc. |
| Irvine Apt. Communities | Red Mountain Retail Group | Trico Realty |
| Irvine Community Dev. | Richmond American Homes | Ware Malcomb Architect |
| California Building & Maintenance Industries, Inc. | Grand Valley Healthcare Skilled Nursing Facility | The Irvine Ranch Outdoor Education Center |
| Coast to Coast Commercial, LLC | Newport Partners, LLC | Santa Margarita Ford |

Our in-house survey department also provides survey and mapping related services in support of engineering projects undertaken by ASCE's engineering department, inclusive of capital projects for public agencies. Land surveying and mapping related services typically performed by ASCE includes the following:

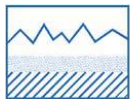
| | |
|---|--|
| Aerial Mapping & Aerial Control Surveys | Monitoring Well Surveys |
| ALTA/ACSM Surveys | Monumentation |
| Boundary and Property Surveys | Parcel, Tract and Final Maps |
| Condominium Mapping | Legal Descriptions for Easements and R/W |
| Construction As-Built Surveys | Quantity Surveys and Earthwork |
| Construction Staking | Record of Surveys |
| Control Surveys | Records and Title Research |
| Digital Terrain Modelling | Right-of-Way Surveys, Mapping and Exhibits |
| Entitlements | Subdivision Planning and Mapping |
| Environmental Surveys | Subdivision Plan Checking |
| FEMA Elevation Certificates | Topographic Surveys and Design Surveys |
| GPS/GIS Surveys | Utility Research & Utility As-Built |

ASCE brings over 39 years of experience working concurrently with public agencies and private entities on projects ranging from site planning/due diligence to infrastructure design and facility improvements, and is very familiar with the scope of work as provided in the Request for Qualifications (RFQ). ASCE is well qualified to perform the required work and is confident in our ability to provide exceptional services to the City of Hermosa Beach in a timely and cost-effective manner.

III. SUBCONSULTANT FIRM PROFILE

ASCE have included NMG Geotechnical and ECORP Consulting, our team subconsultants that will be responsible for performing the geotechnical and CEQA environmental scope of work for the project. An overview of team subconsultant firms is provided below.

| SUBCONSULTANT FIRM | OFFICE | DISCIPLINE | INCEPTION | STAFF | CERTIFICATIONS |
|--------------------|-----------|---------------|-----------|-------|----------------|
| NMG Geotechnical | Irvine | Geotechnical | 1994 | 50+ | SBE |
| ECORP Consulting | Santa Ana | Environmental | 1987 | 100+ | - |



NMG Geotechnical (NMG) - NMG has been providing geotechnical and construction observation/inspection services across southern California for over 25 years. We serve a broad range of private and public clients with over 50 employees based out of our office and soils and materials testing laboratory in Irvine. NMG's team includes six geotechnical engineers, six engineering geologists, and a staff of 16 field/laboratory technicians and materials testing inspectors. NMG's field coverage and observation and testing services are very dynamic and we are able to cover the southern California region, from San Diego to Santa Clarita and into the Inland Empire, very effectively. NMG is also a Small Business Enterprise (SBE) as certified by the State of California. NMG's team of licensed professionals have extensive experience with assessment and characterization of geologic conditions and hazards to a site. Our engineering geologists collect critical site information and work closely with our geotechnical engineers to provide valuable information for the project's design and construction process. Our approach and innovative solutions can significantly enhance project feasibilities, design, budgets and schedules. Our soil and materials laboratory is capable of performing a multitude of soil engineering tests, in accordance with Caltrans and ASTM guidelines. Our laboratory is AASHTO accredited, has Los Angeles Department of Building and Safety approval, Caltrans certified, and is an accepted soil laboratory by California Department of State Architect (DSA). NMG project types vary from public works, institutional, to large acreage master planned communities. NMG has performed numerous geotechnical investigations and design studies for utility and infrastructure improvements. A sampling of public clients includes municipalities/agencies (Port of Los Angeles, Tustin, Irvine, Anaheim, Newport Beach, OCTA, Caltrans), water districts (Irvine Ranch, Orange County, Santa Margarita, Metropolitan, Mesa Consolidated) and school districts (Los Angeles Unified, Capistrano Unified, Tustin Unified, and Irvine Unified). A significant portion of NMG's service to the private sector includes the design and construction of the backbone drainage facilities, utilities and streets. [Address: 17991 Fitch, Irvine, CA 92614 | \(949\) 442-2442](#)








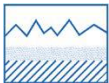


ECORP Consulting, Inc. (ECORP) is a California "S" Corporation. ECORP was founded in 1987 and has over 115 experienced staff members that specializes in assisting government agencies and private clients with a wide range of environmental services including technical expertise in land use planning; biological, cultural, and water resources; and regulatory compliance with California Environmental Quality Act (CEQA) and National Environmental Policy Act (NEPA), Clean Water Act, federal and state Endangered Species Acts, National Historic Preservation Act (NHPA), and other laws and regulations. ECORP has well-established working relationships with the resources agencies, including the U.S. Army Corps of Engineers (USACE), California Department of Fish and Wildlife (CDFW), Regional Water Quality Control Board (RWQCB), and the U.S. Fish and Wildlife Service (USFWS). ECORP is a financially sound firm with five offices (Santa Ana, Redlands, San Diego, Rocklin, and Chico) serving clients throughout California. Additionally, ECORP maintains offices in Flagstaff, Arizona and in Santa Fe, New Mexico. ECORP is registered with the Department of Industrial Relations DIR: #1000012875 (exp. 6/30/22). ECORP is a California Small Business-Public Works (SB-PW) and a Federal Small Business under NAICS code 541620, among others. ECORP's current clients include the City of Anaheim, City of Baldwin Park, City of Costa Mesa, City of Irwindale, City of Santa Ana, Orange County Public Works, and the Los Angeles County Public Works. [Address: 2861 Pullman Street, Santa Ana, CA 92705; \(714\) 648-0630](#)

IV. EXPERIENCE AND QUALIFICATIONS OF KEY PERSONNEL

Key personnel for the project are assigned based upon their experience, project management abilities, technical expertise and design competency, prior involvement with projects of similar scope, and prior experience with the public sector. Brief resumes of the key team personnel assigned to perform the scope of work is provided as follows:

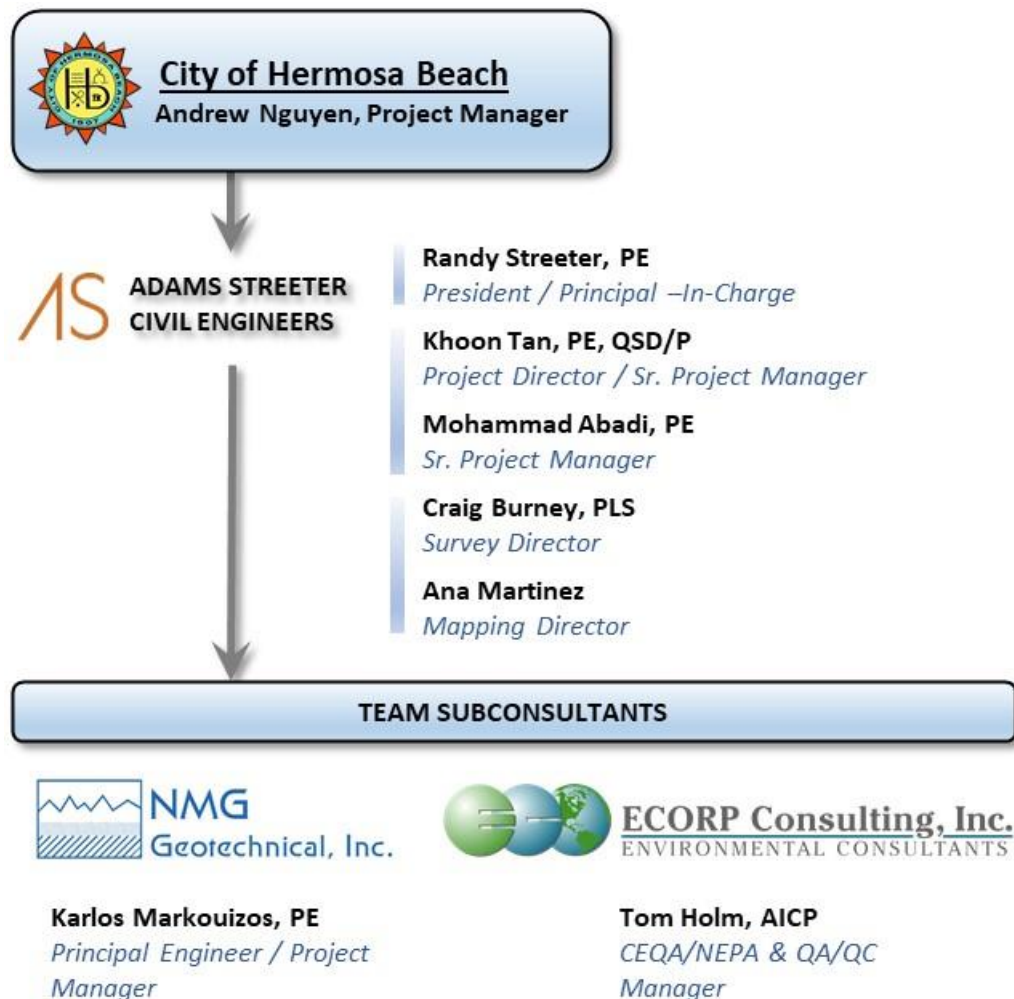
| PERSONNEL | EXPERIENCE | HIGHLIGHTS, EDUCATION AND CERTIFICATIONS |
|--|--|---|
| Randy Streeter, PE Principal-In-Charge  39 Years w/ ASCE | 43 Years (Civil and Survey)  | <ul style="list-style-type: none"> President and Principal-in-Charge w/ extensive experience in civil engineering and surveying, and licensed to practice both disciplines in the State of California and Arizona. Directed numerous City & County engineering and survey projects involving road and utility improvements, public parks, public buildings and low-income housing. BS in Civil Engineering Degree, California State University, Long Beach, California (1971); Registered Civil Engineer (CA RCE 25083 and AZ RCE No. 25846). PE License Expiration Date: December 31, 2021 |
| Khoon Tan, PE, QSD Project Director and Sr. Project Manager  10 Years w/ ASCE | 32 Years (Civil)  | <ul style="list-style-type: none"> Experienced project manager with broad knowledge and hands-on experience in engineering design and construction. Private and public-sector practice including ten years of public agency experience in managing capital improvement projects and construction. CIP projects managed is inclusive of, but not limited to local, arterial street and state highway improvements, pavement rehabilitation, parks and open space development, storm drainage, sanitary sewer, domestic and reclaimed water infrastructure improvements, project grant funding and management. BS in Civil Engineering, Oklahoma State University, Oklahoma; Registered Civil Engineer (CA RCE 60131); Qualified SWPPP Developer / Practitioner (No. 20862). PE License Expiration Date: June 30, 2022 |
| Mohammad Abadi, PE Sr. Project Manager  32 Years w/ ASCE | 35 Years (Civil)  | <ul style="list-style-type: none"> Experienced project and technical engineering manager. Possesses extensive background and hands-on knowledge in engineering design and construction with specific expertise in drainage design. Extensive technical expertise in Infrastructure Planning, Development and Design encompassing site layout, grading, roadway improvements, storm drainage, sewer and water facilities, Hydrology and Hydraulics, and water quality. BS in Civil Engineering, University of California, Irvine, California; Registered Civil Engineer (CA RCE 42615). PE License Expiration Date: March 31, 2022 |

STATEMENT OF QUALIFICATIONS FOR ON-CALL ENGINEERING DESIGN SERVICES FOR UTILITIES

| PERSONNEL | EXPERIENCE | HIGHLIGHTS, EDUCATION AND CERTIFICATIONS |
|--|---|--|
| Craig Burney, PLS Survey Director  30 Years w/ ASCE | 31 Years (Survey)  | <ul style="list-style-type: none"> Experienced survey manager and field surveyor. Oversees daily survey crew operations. Extensive experience in performing ALTA, boundary, aerial, topographic, GPS, and construction surveys. BA in Psychology, CSU, Long Beach, California; Licensed Land Surveyor (PLS 7732); GPS Certificate Program, UC Riverside. PLS License Expiration Date: December 31, 2021 |
| Ana Martinez Mapping Director  15 Years w/ ASCE | 37 Years (Mapping)  | <ul style="list-style-type: none"> Experienced mapping professional serving the regions of Orange, Los Angeles, San Bernardino and Riverside Counties. Extensive experience in Boundary Analysis, Title Report Due-Diligence, Record of Surveys, ALTA Surveys, Final Parcel Maps, Tract Maps, Lot Line Adjustments, Easement Rights & Exhibits and Legal Descriptions. Rancho Santiago College, County of Orange, California |
| Karlos Markouizos, PE Principal Engineer / Project Manager  | 32 Years (Geotechnical)  | <ul style="list-style-type: none"> Experienced in field exploration and monitoring, field and laboratory soil testing, grading and earthwork, slope stability analysis, design of shallow and deep foundations, shoring and retaining structures, settlement analysis, seismic hazard analysis, structural pavement design, and construction of underground utilities. BS in Civil Engineering, CSU, Long Beach, California; Graduate Study in Civil Engineering, Carnegie-Mellon University, Pittsburgh, Pennsylvania Registered Civil Engineer (CA RCE 50312). |
| Tom Holm, AICP CEQA/NEPA QA/QC Manager  | 37 Years (Environmental)  | <ul style="list-style-type: none"> Diverse planning and environmental experience involving environmental, natural resource, and regulatory compliance. Provides updates on CEQA and Planning Law to local APA and AEP chapters. Former Planning and Transportation Commissioner for City of Mission Viejo and Board Member of the Orange County Natural History Foundation. Masters of Arts in Urban & Regional Planning, Environmental Policy & Management emphasis, UCLA; Bachelor of Arts in Political Science, UC Irvine; American Institute of Certified Planners (AICP). |

V. ORGANIZATIONAL CHART

A project team organizational chart identifying communication/reporting relationships and key personnel that will perform the work for the project is provided as follows:



Role Assignments: All project engineering services provided under the leadership of ASCE will be managed by Mr. Tan, who is also the designated City liaison. Mr. Abadi, the designated technical and production manager, and will also serve as the secondary liaison to the City for redundancy. Mr. Burney and Ms. Martinez will administrate field surveying and mapping related services to support engineering design.

Commitment of Assigned Personnel: ASCE is committed to maintaining the selected key personnel indicated on the above organizational chart for the duration of the project. In the event that substitution or addition in key personnel and/or sub-consultant is necessary due to circumstances that are outside of our control, a written request will be made to the City for the proposed change(s) for consideration and approval. Any proposed substituted person will be as qualified and billed at the same or lower rate as the original personnel being replaced. Key personnel indicated have been specifically assigned to this endeavor. If selected for the project, ASCE will ensure the identified personnel are available to undertake and complete all assigned projects and tasks.

STATEMENT OF QUALIFICATIONS FOR ON-CALL ENGINEERING DESIGN SERVICES FOR UTILITIES

VI. PROJECT UNDERSTANDING

ASCE understands that the City of Hermosa Beach is seeking Statement of Qualifications (SOQs) from qualified consultants to perform engineering design services to meet the City's utilities needs on an as-needed basis. As stipulated on the RFQ, qualified firms will be retained on a two-year contract with up to three one-year extensions. As per the RFQ Scope of Services, our anticipated role if selected, would be to provide design and construction support services to the Engineering Division of the Public Works Department in implementing the various sewer and storm drain projects that are adopted by the City's Capital Improvement Program (CIP).

Five projects related to sewer and storm drain improvements are identified in the FY 2019/20 Capital Improvement Program that was adopted in June 2018, as referenced below.

| Goal | CIP NO. | PROJECT NAME | Sewer Fund | Storm Drain Fund | RTI Undersea Cable Fund | Capital Improvement Fund | TOTAL Current Year Request | Remaining Prior Year Funding | | TOTAL CIP FUNDING FY 19-20 |
|--|---------|--|------------------|------------------|-------------------------|--------------------------|----------------------------|------------------------------|------------------|----------------------------|
| | | | 160 | 161 | 190 | 301 | | Fund | Amount | |
| SEWER/STORM DRAIN IMPROVEMENTS | | | | | | | | | | |
| 3 | 416 | Sewer Improvements - Various Locations | 1,145,750 | | | | 1,145,750 | 160 | 1,054,250 | 2,200,000 |
| 3 | 417 | Storm Drain Improvements - Various Locations | | 354,910 | | 80,000 | 354,910 | 161 | 645,090 | 1,000,000 |
| | | | | | | | 80,000 | 301 | 0 | 80,000 |
| TOTAL FOR PROJECT | | | | | | | | | | 1,080,000 |
| 4 | 419 | 16th Street Storm Drain Trash Capture Box | | 100,000 | | | 100,000 | 161 | 0 | 100,000 |
| 3 | 421 | Annual Sewer Improvements | 250,000 | | | | 250,000 | 160 | 0 | 250,000 |
| 3 | 422 | Annual Storm Drain Improvements | | 200,000 | | | 200,000 | 161 | 0 | 200,000 |
| SEWER/STORM DRAIN IMPROVEMENTS SUBTOTAL | | | 1,395,750 | 654,910 | 0 | 80,000 | 2,130,660 | | 1,699,340 | 3,830,000 |

Based on available information, we understand that Capital Improvement Project (CIP) 416 was advertised for construction bids in April 2019 and the project closed-out in April 30, 2020. The four other projects pertaining to CIPs 417, 419, 421 and 422 are identified for final engineering by an on-call design firm(s) to prepare project plans and specifications.

CIP 419 stands out as a priority project that calls for the installation of a State Board-approved full capture device/system to the County-owned 16th Street Storm Drain System at the Hermosa Valley School location to address the Santa Monica Bay Debris Total Maximum Daily Load (TMDL). This project seeks to utilize a large-scale full trash capture device to remove and prevent trash and plastic raw materials from discharging into the Santa Monica Bay. The full trash capture device/system is intended for use in lieu of individual pipe screen installations at upstream catch basin locations to help reduce long-term maintenance requirements and cost. The Municipal Separate Storm Sewer System (MS4) seeks to achieve 100% trash reduction by March 20, 2020, which has since passed thereby making project implementation a priority. Per the Hermosa Beach Storm Drain Master Plan dated June 2018 (SDMP), a full trash capture device/system installed at the Hermosa Valley School location would cover a drainage area of 291 acres and cost approximately \$760,000 to construct, exclusive of design related cost. Further evaluation of requirements and costs will be needed as part of the final design process to verify budgetary costs for construction. If implemented, this large-scale full trash capture device would negate the need and cost to install individual pipe screens at eighty-eight upstream catch basin locations. Debris Separating Baffle Box (DSBB), Nutrient Separating Baffle Box (NSBB), Continuous Deflective Separator (CDS) and/or other systems may be considered for use, and likely in conjunction with an upstream diversion structure to apportion flows to multiple full capture devices connected in parallel due to the large peak flows anticipated. The selected system must also be a State Board-certified high-flow capacity trash treatment control device that is verified for vector control accessibility in accordance with the Trash Amendments updated in July

2020. Other device-specific considerations should include the ability to capture sediment, and suspends trash and debris in a dry state to minimize nutrient leaching, bacteria growth and odors. Removing solids in a dry state during the maintenance process would negate the removal of large quantities of water, which results in a lower cost for maintenance. The proposed facility design should also consider the potential future upsizing of the 16th Street Storm Drain at this location from a 72" to 84" diameter pipe, as identified on the SDMP, including hydraulic impacts of the devices to ensure upstream flooding is not exacerbated.

CIP 417 and CIP 422 both seek to implement storm drain improvements as identified in the SDMP to address deficiencies, ponding, repairs, and for new infrastructure. The CIP detail sheets do not provide a scope or list of locations that will be included as part of the improvements. However, the fund allocations / programming and adopted funding amounts as shown in the CIP detail sheets suggests that CIP 417 may seek to implement (design and construct) the highest project priorities identified within the SDMP that may either be required prior to completing high priority improvements, and/or to reduce flooding in flood prone areas. The four highest priority projects identified by the SDMP involves upsizing undersized storm drain pipes to address 10-year flooding associated with the 18th Street, 19th Street and 20th Street Outfall projects and the 16th Street project. Corresponding storm drain systems are City-owned, with the exception of the 16th Street Storm Drain which is a County-owned facility. The SDMP also provides the estimated cost to construct these projects as follows:

| SDMP PROJECT NO. | OWNERSHIP | PIPE IMPROVEMENTS | PIPE LENGTH (FT) | CONSTRUCTION COST |
|------------------|-----------|---------------------------------|------------------|-------------------|
| Project 1 | City | 18 th Street Outfall | 928 | \$680,000 |
| Project 2 | City | 19 th Street Outfall | 320 | \$250,000 |
| Project 3 | City | 20 th Street Outfall | 262 | \$240,000 |
| Project 4 | County | 16 th Street | 1978 | \$2,600,000 |

Based on a construction fund allocation of \$752,400 and the estimated individual project construction costs shown above, our assumption is that CIP 417 may potentially involve improvements associated with Project 1, or a combination of Projects 2 and 3. The adopted funding for CIP 417 also includes a \$80,000 funding to install storm drain trash excluder retrofits, which is anticipated for "downstream" catch basins as part of the project scope to address the Santa Monica Bay Debris Total Maximum Daily Load (TMDL). CIP 422 represents an annual (cyclic) program to address drainage related issues that may include engineering design and/or construction to be performed within the CIP programming cycle, depending on fund availability. Current program adoption only includes \$200,000 for final engineering design with a \$400,000 construction cost listed for future fund adoption. It is unclear what the scope of CIP 422 would entail based on the fund programming, other than to prepare shelf-ready plans in anticipation of potential grant funding opportunities and/or project construction when the necessary funds become available.

CIP 421 represents an annual (cyclic) program to address capacity and structural deficiency issues of the City's aging sewer system, as identified by the City's Sewer Master Plan dated August 2017. Current program adoption of \$250,000 includes final engineering design with \$1,600,000 of construction cost indicated for future adoption. Design is indicated to include improvements for multiple fiscal years which suggest the preparation of shelf-ready plans in anticipation of construction that may be phased, depending on the fund availability. As mentioned, the CIP detail sheet do not provide a scope or list of locations that will be included as part of the improvements. Therefore, we anticipate that the project scope may potentially encompass a combination of items, including for the replacement and/or rehabilitation of existing deficient pipe segments, and rechanneling, rehabilitation and/or replacement of existing manholes.

The potential project scope as described above is based on our current understanding and limited information available on what the City intends to specifically implement. Regardless of the specific scope of work required, ASCE is well qualified to perform the tasks at-hand and stands ready to assist the City when needed.

VII. APPROACH TO WORK PROGRAM

ASCE's primary goal and objective is to provide the City with responsive service and complete each assignment in a timely, efficient and cost-effective manner. We are dedicated to team-work and also committed to having senior-level staff involvement in every stage of the process to ensure a successful project. Our approach consists of an intensive, focused process tailored specifically to the goals, project issues, budget, and scope of work identified for each task order. We see our role as an extension of City staff and as such, strongly believe that consistent, open dialogue is a critical part of ensuring a successful project. We are committed to the following in emphasizing clear communications and quality control:



- ✓ Identify/verify City expectations, objectives, timelines and constraints.
- ✓ Research and identify background information relevant to the assigned task(s) and/or project(s).
- ✓ Apply the knowledge and experience of the project team to discern prospective issues and analyze appropriate mitigation measures prior to execution of the task(s) and/or project(s). The project team's knowledge base may encompass applicable City policies and procedures; regional, state and federal legislation, regulations and guidelines; new and emerging technology and trends in the practice, etc.

In providing quality service to the City, we are also committed to the following:

- ✓ Maintain positive working relationships with all project participants.
- ✓ Maintain clear/comprehensive communication with City staff/representatives and others.
- ✓ Ability to discern controversial issues and provide notice to City staff of any potentially emerging issues.
- ✓ Ability to meet established deadlines.
- ✓ Ability to suggest innovative and cost-effective solutions.

Upon notification of work task(s) and/or project(s), the team will:

- ✓ Coordinate and get directions from the City and arrange to obtain any related documents pertinent to the task at hand.
- ✓ Conduct a kick-off meeting with City staff if necessary, to discuss cost and project/task schedule outlining tasks, milestones and critical paths.
- ✓ Prepare a fee proposal for each requested service and submit to the City for consideration and approval prior to initiation of work, as required.
- ✓ Provide support to City staff in coordinating the project with all other agencies or stakeholders of the project, as necessary.

ASCE will perform the scope of work with the City's underlying vision and guiding principles for sustainability in mind; to demonstrate environmental leadership, retain a high quality of life without compromising the ability for future generations to meet their needs, contribute to the City's economic and fiscal stability, and be a catalyst for innovation. The scope of work as provided in the RFQ entail the performance of engineering design services for storm drain and sewer improvements that results in final contract documents inclusive of plans, specifications and cost estimates for various projects on an as-needed basis. In conjunction with the development of detail plans, specifications and estimates (PS&E), topographic survey and mapping, geotechnical engineering, and CEQA environmental documentation related services are anticipated to support the assigned project(s). Required services also includes bidding and construction support services, as identified in the RFQ. The typical process/methodology/approach that will be undertaken for the performance and delivery of the anticipated services, subjected to City preferences, process, and approval is as follows:

STATEMENT OF QUALIFICATIONS FOR ON-CALL ENGINEERING DESIGN SERVICES FOR UTILITIES

| NO. | CAPITAL IMPROVEMENT PROJECT DESIGN (FINAL PS&E) | DELIVERABLES |
|-----|---|--|
| 1. | Respond and communicate with the City's project manager to discuss scope, fee, scheduling, grant funding and/or other requirement to establish project/task requirements, costs and constraints upon receiving a project/task request. Prepare a cost proposal for the City's consideration based on the required work. If applicable, present a work schedule outlining tasks, milestones and critical paths. Initiate work upon issuance of <i>Notice-To-Proceed</i> by City. | Cost Proposal, Project Schedule (As-Needed), Project Meetings and Coordination |
| 2. | If required, assist the City to perform an environmental review of the project and prepare a Categorical Exemption (CE) and/or other environmental documentation required to meet CEQA or NEPA requirements. | (See Approach for CEQA Documentation) |
| 3. | Obtain and review existing record/as-built plans and record information. Notify, request/obtain and review utility plans from utility purveyors for existing utilities within the project limits. Coordinate with utility purveyors for potential utility conflicts, relocations, etc. as needed. | Utility Notification Letters and Responses, and Utility Coordination |
| 4. | Perform a detailed topographic survey, mapping and field engineering evaluation required for the task/project. Prepare a base plan (or site plan) incorporating all data obtained for the project that will be used as the basis for design. | Topographic Map and Base Plan (See Approach for Topographic Survey) |
| 5. | Order a title report for the property/properties involved, if required. Perform a mapping analysis to establish legal lines pertaining to right-of-way, property boundaries, easements to support the development of the base plan, and/or for other project-specific purposes. If needed, prepared easement exhibits, legal descriptions, or other mapping related documents as required for the project. | Title Report(s), Mapping Related Documents |
| 6. | Perform geotechnical investigation, percolation / infiltration testing and other analysis as required by the project. Provide a Geotechnical Report with result of analysis and recommendations for project design. | Geotechnical Report |
| 7. | If applicable, perform preliminary design development to identify concepts and alternatives for the project and communicate with the City for concurrence and concept approval prior to preparation of final PS&E. Community and stakeholder involvement, and City commission / council approval process and requirements will also be determined, if required. | Feasibility Study or Preliminary Development Report (PDR) |
| 8. | Perform potholing to identify conflicting utilities, including for the existence, type and location of underground utilities. | Utility Coring Results / Report |
| 9. | Prepare a 60% detail plans (PS&E package) and supporting documents. Submit to City for independent design check. Supporting documents may include items such as Hydrology and Hydraulics Report, Low Impact Development (LIP) Report, Storm Water Pollution Prevention Plan (SWPPP) and/or other reports/documents, as applicable. | 24" x36" Plans (3 Sets) Electronic Copies of Special Provisions, Bid Schedule, Cost Estimates, Reports and Calculations |
| 10. | Prepare a 100% detail plans (PS&E package) and supporting documents. Submit to City for review and approval. | 24" x36" Signed and Sealed Plans (3 Sets), Electronic Copies of Documents Per Item #9 |
| 11. | Prepare Final Detail Plans, Specifications, and Estimates. Submit bid package to the City in preparation for bid advertisement for project construction. | Mylar & Electronic Signed Plans and Documents Per Items #9 and #10 |

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A Project Environmental Review may be performed as needed to determine the environmental documentation that is needed to meet the requirements of the California Environmental Quality Act (CEQA) or National Environmental Policy Act (NEPA) during the design phase. It is anticipated that “as-needed” projects that will be assigned only include evaluation under the CEQA Guidelines that does not involve federal funding, federal environmental laws and regulations. In this case, the Preliminary Environmental Study (PES) and the National Environmental Policy Act (NEPA) compliance documents will not be needed. Review under CEQA guideline may encompass the following:

| NO. | STATUTORY OR CATEGORICAL EXEMPTION | DELIVERABLES |
|-----|--|--|
| 1. | Using project information provided by the City, it will be determined if the project fits the requirements for a statutory or categorical exemption. An initial review will be performed to determine if the Project may qualify for a Class 1 or Class 2 exemption (CEQA Guidelines – Existing Facilities §15301 or Replacement or Reconstruction §15302). The Exemption Form (Appendix E of the CEQA Guidelines) will be prepared and filed at the County Clerk’s office and the State Clearinghouse. A receipt of filing will be obtained from both entities. In support of the Categorical Exemption (CE), a memorandum will be prepared substantiating the exemption class and address exceptions (a) through (f) of CEQA Guideline 15300.2. The City may determine that technical studies are needed or desirable to support the CE. The need and type of environmental studies to support a CE will be vetted with the City (and Caltrans if this applies as a Local Assistance Project) at the earliest stages of project initiation and scoping. Mitigated Negative Declarations, Notices of Determination, and public circulation are not required for Categorical Exemptions. | Copy of Categorical Exemption Form and Receipt of Filing |
| NO. | INITIAL STUDY / MITIGATED NEGATIVE DECLARATION | DELIVERABLES |
| 1. | An Initial Study (IS) will be prepared leading to a determination as to the type of CEQA document required to support project approvals, such as for an Initial Study/Negative Declaration (IS/ND) or a Mitigated Negative Declaration (IS/MND). Each of the 17 resource areas in the IS will be analyzed to determine significance under CEQA. Preparation of the IS/MND will conform to the City’s environmental review guidelines. Technical information drawn from project studies prepared by others and technical memoranda prepared per Task A below will be used to provide substantial evidence to support impact conclusions in the IS. The tasks associated for CEQA documentation is as follows: | |
| a. | Administrative Draft IS/MND: An IS will be prepared using the approved checklist format from the City and/or Appendix G of the CEQA Guidelines. A description of the project will be prepared including the location of the project area and a project map; a brief description of the environmental setting; an identification of environmental effects using the above-referenced checklist format; a brief substantiation of the checklist entries; and a list of references and preparers. Mitigation measures will be provided (if required) that can be developed using existing data. A site visit by an Environmental Analyst will be conducted. In addition, record/database searches for cultural/historic and paleontological resources will be conducted. Technical memoranda for (1) Construction Air Quality impact and Greenhouse Gas analysis, and (2) Construction Noise impacts will be prepared as appendices and summarized in the text of the IS/MND. The Administrative Draft IS/MND will be submitted to the City electronically for review and comment. | Project Description and Electronic copy of Administrative Draft IS/MND |

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| NO. | INITIAL STUDY / MITIGATED NEGATIVE DECLARATION - CONTINUED | DELIVERABLES |
|-----|---|---|
| b. | Prepare Draft IS/MND: After receipt of one (1) set of integrated comments on the Administrative Draft IS/MND from the City, we will revise the IS/MND accordingly. Twenty (20) copies of the document will be mailed to addressees on the mailing list and fifteen (15) copies to the State Clearinghouse. It is assumed that the mailing list will be assembled collaboratively with the City. | 5 Bound, 1 Unbound Reproducible Copy and Electronic Copy of Revised IS/MND |
| c. | Prepare Public and Agency Notices: The Notice of Intent (NOI) to Adopt a Mitigated Negative Declaration, Notice of Completion (NOC, State Clearinghouse Cover), Notice of Determination (NOD), and AB 52 Native American Consultation Notice(s) will be prepared as required by CEQA. One copy each of the NOI, NOC, and NOD notices will be filed with the County Clerk and the State Clearinghouse, as appropriate. It has been assumed that the City will arrange for the NOI to be published in a newspaper of general circulation. AB 52 notices will be prepared and sent to tribal groups that have requested such notice by the City, as applicable. | Electronic Copy of NOI, NOC, NOD Notices, and Newspaper Ad for NOI |
| d. | Final IS/MND and MMRP: The City (lead agency) must consider any comments received on the MND when making a decision on the project. There is no requirement to prepare formal responses to comments; however, the Lead Agency should have information in the administrative record explaining why the comment does not affect the findings in the MND. In practice, a response to comments document, which is included in the Final IS/MND, is usually prepared. The Final IS/MND will also include any changes to the Draft IS/MND and the Mitigation Monitoring and Reporting Program (MMRP, if required), prepared in accordance with CEQA Guidelines Section 15097. The MMRP will be prepared in a table format with input from the City and the design team. An Administrative Final IS/MND and MMRP (if required) will be prepared. After review by the City, the Final IS/MND and MMRP will be provided. The Final IS/MND and MMRP will be sent to agencies, organizations, and individuals that commented on the project, and also notify them of the date and time of the public hearing for consideration of the project, as required by CEQA. | 1 electronic copy of the Administrative Final IS/MND and MMRP (if required), and 1 electronic copy of the Final IS/MND. 5 bound copies will be mailed to commenting agencies and interested parties. |
| NO. | ENVIRONMENTAL IMPACT REPORT (EIR) | DELIVERABLES |
| 1. | <p>If the technical studies and IS identify an impact that would remain significant after mitigation (potentially requiring an Environmental Impact Report), the team and City will immediately be notified to determine if there may be an engineering solution to minimize or avoid the impact. If the impact cannot be reduced to less than significant, an EIR will be required as described in the scope of work below. It is our approach that the majority of the documentation in the EIR will be focused on those issues where more information or analysis was required, and a determination of significance could not be made in the IS.</p> <p>As determined by CEQA, the purpose of an EIR is to provide decision makers, public agencies, and the general public with an objective and informative document that facilitates a basic understanding of the proposed project, including direct, indirect, and cumulative environmental effects. The EIR also identifies feasible mitigation measures to mitigate significant environmental effects. The City and other agencies will use the EIR to issue permits, agreements, and approvals to implement portions of the project under their respective authorities.</p> | |

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| NO. | ENVIRONMENTAL IMPACT REPORT (EIR) - CONTINUED | DELIVERABLES |
|-----|--|--|
| a. | <p>Notice of Preparation: Prepare a Notice of Preparation (NOP) through soliciting participation in determining the scope of the EIR. The IS will be attached to the NOP. Distribute thirty (30) copies of the approved IS/NOP package for distribution to the County Clerk, various public agencies whose approval and/or comments are required (Responsible Agencies), agencies with resources affected by the project (Trustee Agencies), and interested parties and groups. Within the 30-day public review and comment period, Responsible Agencies, Trustee Agencies, and members of the public may provide comments about the EIR contents and the project in general.</p> <p>Public Scoping Meeting: A public scoping meeting shall be scheduled to help the City further understand community concerns and support for the project. A Public Meeting in an Open House format will be held at the City offices during the 30-day NOP review period. The team will plan and facilitate the meeting, provide exhibits, handouts/fact sheets, and refreshments, and provide staff for the sign-in table. At least one of these staff members will be English-Spanish bilingual. We have assumed that the City will schedule (or provide a contact at the City to schedule) the meeting room, and that tables, chairs, etc. will be provided by the City. The team project manager, environmental project manager and one other technical staff would attend this meeting with the City to answer questions.</p> | Copy of NOP, Attendance to Scoping Meeting |
| b. | <p>Administrative Draft EIR: An Administrative Draft EIR will be submitted to the City for review and comment prior to the preparation of the Draft EIR. The EIR will be prepared using technical reports provided by the City and those prepared for the project. The EIR will include the topics for which impacts were identified either as “potentially significant” or “less than significant with mitigation incorporated” in the IS checklist. It is important to carry forward the mitigation required in the IS to the EIR, so that it will be documented in the MMRP. However, it is our approach that the majority of the documentation in the EIR will be focused on those issues where more information or analysis was required, and a determination of significance could not be made in the IS. In addition, the EIR will discuss the extent to which the project promotes growth directly or indirectly. The Administrative Draft EIR will be provided to the City for review and comment. A meeting with the City will be scheduled to review the comments if necessary. Prior to circulation of the Draft EIR, a screencheck copy of the document will be provided to the City for approval.</p> | 3 Copies of Administrative Draft EIR and Copy of Screencheck |
| c. | <p>Draft EIR and Notices: After review and comment on the Draft EIR, sufficient copies of the revised EIR will be printed for public review. The Notice of Completion (NOC) and Notice of Availability (NOA) will be prepared to accompany the Draft EIR and for publication in a newspaper of general circulation. The following is assumed regarding document and notice circulation:</p> <ul style="list-style-type: none"> ○ Fifteen (15) copies will be sent to the State Clearinghouse. ○ Fifteen (15) hard copies and ten (10) electronic copies (PDF and MS WORD formats) of the Draft EIR will be provided to the City. ○ One (1) hard copy will be provided to the local library. | 31 hard copies and 10 electronic copies of the EIR |

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| NO. | ENVIRONMENTAL IMPACT REPORT (EIR) - CONTINUED | DELIVERABLES |
|-----|--|---|
| | <ul style="list-style-type: none"> ○ A list of interested agencies and other interested parties will be developed in conjunction with the City. These agencies/individuals will be mailed a complete copy of the EIR. It is assumed that the list will contain no more than 15 addresses. ○ The City will provide a list of surrounding property owners. These owners will receive a Notice of Availability, stating that the EIR is available for review at the Community Development Department and at the library. ○ The NOA will be posted with the County Clerk. We will arrange to have the notice published in the newspaper and that the City will pay all fees associated with newspaper publication and with County Clerk filing. | |
| d. | Administrative Final EIR/Draft MMRP: An Administrative Final EIR will be prepared consisting of copies of comment letters received on the Draft EIR, responses to these comments, any errata sheets required based on the comments, and the Draft MMRP. We have assumed that up to 10 comment letters will be received each with an average of four comments, or approximately 40 comments total. The Administrative Final EIR and Draft MMRP will be prepared for City review. If necessary, a second round of review and comment on the Administrative Final EIR and Responses to Comments will be scheduled. | 3 Copies of Administrative Final EIR and Draft MMRP |
| e. | Final EIR/Final MMRP/Notice of Determination: After City comments on the Administrative Final EIR and Draft MMRP, we will prepare the Final EIR, MMRP, and the Notice of Determination (NOD). We will file the NOD with the County Clerk and mail the Final EIR to the required agencies and individuals. We have assumed printing of ten (10) Final EIRs. We will also provide electronic copies for the City in PDF and MS WORD formats on compact discs. We have assumed that the City will pay all filing fees associated with the County Clerk. | 10 Copies, Including Electronic Files of Final EIR |
| f. | Statement of Overriding Considerations/Findings: If necessary, a Statement of Overriding Considerations and Findings will be prepared. One draft copy and one final copy will be submitted to the City. | 1 Draft and 1 Final Copy of Statement |

Geotechnical Analysis is also anticipated to evaluate soil conditions for the construction of storm drainage and sewer improvements, including for infiltration / percolation testing to support the implementation of BMPs for drainage and water quality purposes. The anticipated geotechnical approach for the “as-needed” utilities projects would encompass the following:

| NO. | GEOTECHNICAL EXPLORATION, ANALYSIS AND REPORTING | DELIVERABLES |
|-----|--|---|
| 1. | Background Review, Project Initiation, and Permitting: Review of available published and unpublished geotechnical and groundwater data pertaining to the site. Review of the initial project design information and coordination with the project team. All necessary “no fee” encroachment and temporary water access permits will be acquired for drilling and percolation testing. | Geotechnical Report w/ Summary of Results and Recommendations |

| NO. | GEOTECHNICAL EXPLORATION, ANALYSIS AND REPORTING - CONTINUED | DELIVERABLES |
|-----|--|--------------|
| 2. | Subsurface Exploration and Percolation Testing: Perform a site reconnaissance to review and mark boring locations. Prior to drilling, we will coordinate with USA and the City for existing utility clearance. Once utilities have been marked, we will review the field markings for potential conflicts and make any necessary adjustments. Drilling of hollow-stem auger borings may range from 10 to 50 feet deep (or refusal). Soil will be sampled at 2.5- to 5-foot intervals utilizing Modified California sampling methods. Percolation testing is anticipated and assumed to evaluate storm water infiltration feasibility and provide design infiltration rates for test locations. Percolation testing will be performed in accordance with the County of Los Angeles guidelines. Borings may be left open for 24 to 48 hours in order to conduct testing after completion of drilling. All borings will be backfilled after conclusion of percolation testing. Percolation testing will require the use of select materials. The soil cuttings generated at these locations will not be able to be placed back into the boring. Excess soil cuttings will be spread thinly along adjacent dirt roadway shoulders or other designated areas within City property. | |
| 3. | Laboratory Testing: Laboratory testing will include moisture content and dry density of the collected samples, grain-size distribution, and hydro-consolidation. | |
| 4. | Geotechnical Analysis: Geotechnical evaluation and analysis of existing and collected data with respect to infiltration of storm water at the site and associated design parameters. Engineering analyses for grading, liquefaction, and storm water infiltration will be performed. | |
| 5. | Geotechnical Report: One report will be prepared summarizing our findings and providing recommendations for project improvements and infiltration BMPs. The report will include our boring logs, laboratory data, percolation test data, and a boring location map. Assessment of contaminated soils or other environmental issues are not anticipated or included in the scope of services. | |

Community and Stakeholder Outreach efforts is typically initiated during the conceptual / preliminary project phase and is not generally anticipated as part of the final engineering phase involving PS&E preparation. Outreach efforts are also not typically performed for utility related improvements with the exception of storm drain / water quality related projects (such as projects that seek to address the Santa Monica Bay Debris TMDL). It is unclear if outreach efforts were included in the adopted funding for final engineering design of the utilities project. However, if outreach efforts are intended as part of the on-call projects scope of work, we anticipate it may be focused on an education campaign that speaks to the prevention of litter from entering and passing through the City's storm drain system to the bay. The campaign which would largely rely on public participation and cooperation to be successful, which could minimally be achieved through project signages, brochures, and other means, in conjunction with City services for frequent street sweeping in high-density neighborhoods and commercial areas, and through water-quality and trash capture related implementations. The outreach means and method to be employed can be further discussed with the City for implementation, as needed.

A Topographic Survey (also referred to as a *contour survey*) is performed to collect survey data on natural and man-made features and improvements within a subject property or land, including corresponding vertical elevations. Topographic surveys are required by many local jurisdictions to determine the existing conditions and elevations of a site and are typically used by engineers and architects to create accurate and appropriate

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designs based on existing conditions. Topographic surveys show the location, size, and height of natural and manmade features and improvements, as well as gradual changes or contours in elevation with measurements made either with a survey-quality global positioning system (GPS) or an electronic distance measurement (EDM) instrument. Data captured by these instruments are used to generate digital maps representing the existing topographic landform that can be used by engineers and architects as a basis for planning and/or design of planned improvements. A detailed topographical survey will be required to support final engineering design of the anticipated utility projects. Typical approach in performing a topographic survey involves the following:

| NO. | TOPOGRAPHICAL SURVEY | DELIVERABLES |
|-----|--|------------------------|
| 1. | Conduct an initial online research for public records on the County's website to obtain information regarding the subject property/properties. | Topographic Survey Map |
| 2. | Conduct a research with the local jurisdiction for any pertinent as-built plans, roadway tie-ins, rights-of way, record maps and other pertinent information to establish the horizontal and vertical control as the basis of survey. | |
| 3. | Request title report(s) from the title company including deeds and other underlying documents, if applicable. | |
| 4. | Perform a detailed physical survey to locate all existing monuments and cultures including any structures, improvements, utilities and other facilities within the extents of the property, as applicable to the scope of work. | |
| 5. | Perform a mapping analysis where field data obtained is compared to the paper boundary derived from research. Necessary adjustments are then applied to determine the final location of all boundary lines, if applicable. | |
| 6. | Prepare a topographic survey map detailing all appurtenant information related to the property including the property boundary, location, elevation and description of existing individual surface cultures such as buildings, fences, walkways, roads, sidewalks, and utilities. Surface contours in the appropriate elevation intervals are also shown on the map to describe the topography of the existing land surface. | |

Construction Support Services during the construction phase will entail the following scope and approach:

| NO. | CONSTRUCTION SUPPORT (BID AND CONSTRUCTION PHASES) | DELIVERABLES |
|-----|---|---|
| 1. | Review and respond to bidder inquiries during the bidding phase for clarifications to plans and specifications. Prepare addenda, as needed for distribution to potential bidders. | Copies of Issued Addenda |
| 2. | Attend the pre-construction meeting. | Meeting Attendance |
| 3. | Review and/or approve all construction submittals and shop drawings from the Contractor. The typical turnaround time for reviewing and responding to each submittal is two (2) working days. | Copies of Approved Submittal & Shop Drawings |
| 4. | Review and respond to written Requests for Information (RFI) during construction. Provide clarifications to discrepancies in the contract document within three (3) working days, or less. | Copies of Responses to RFI's |
| 5. | Review construction change order requests (CCO's) and provide recommendations to the City for approval, or for an alternate solution. The typical turnaround time for reviewing and responding to each CCO is two (2) working days. | Alternate Solutions, Recommendations for Approval (Written Responses) |
| 6. | Prepare final "as-built" drawings based on field redline prints supplied by the Contractor/City for submittal. | Signed Mylars of Record Drawings |

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In addition to utilities (sewer and storm drainage) design, ASCE is also able to provide a myriad of other civil engineering related services, as needed. The overall firm capabilities in providing engineering services is summarized in Section II (page 3) of this SOQ. Typical capital improvement related projects that we can assist the City with includes, but is not limited the following:

| ADDITIONAL SERVICES – DESIGN, STUDIES, AND PLAN CHECKING | |
|--|---|
| A. | Street Improvements, Beautification, Rehabilitation, Realignment, Green Streets, Bikeway and Walkway Improvements |
| B. | Park Improvements |
| C. | Parking Lot Improvements & ADA Improvements |
| D. | Master Plans and Studies |
| E. | Development Plan Checking |

Land surveying services that can be performed in support of capital improvement projects or as individual tasks includes, but is not limited to the following:

| ADDITIONAL SERVICES – LAND SURVEYING | |
|---|--|
| Aerial Mapping & Aerial Control Surveys | Monitoring Well Surveys |
| ALTA/ACSM Surveys | Monumentation |
| Boundary and Property Surveys | Legal Descriptions for Easements and R/W |
| Construction As-Built Surveys | Quantity Surveys and Earthwork |
| Construction Staking | Record of Surveys |
| Control Surveys | Records and Title Research |
| Digital Terrain Modelling | Right-of-Way Surveys, Mapping and Exhibits |
| Environmental Surveys | Topographic Surveys and Design Surveys |
| FEMA Elevation Certificates | Utility Research & Utility As-Built |
| GPS/GIS Surveys | |

Miscellaneous mapping support services that can be performed in support of capital improvement projects or as individual tasks includes, but is not limited to the following:

| ADDITIONAL SERVICES – MISCELLANEOUS MAPPING | |
|---|--|
| A. | Easement/Parcel Deeds and Right-of-way Mapping: Tasks includes conducting research for underlying maps and information to generate a base map with the information. Deed may be obtained via title report from a title company, if one is not provided. |
| B. | Encumbrance Maps: Encumbrance maps if needed, will be prepared based on boundary, deed and easement information (to be provided by client or a title company), and legal description and exhibits generated based on the encumbrance map. |
| C. | Plats and Legal Descriptions: Prepare plats and legal descriptions pertaining to the project locations needed that identifies the boundaries of improvements within existing right-of-way and property boundaries. |

VIII. PROJECT MANAGEMENT PLAN

- A. Team Communication and Flow of Information:** A key element to project success is team communication. An essential part of ASCE's project protocol is to establish and maintain a line of communication between interdisciplinary team members and City staff during the entire course of the project. A designated team project manager and/or City liaison will function as a focal point for all communications between interdisciplinary team members and the City's project manager and other City departments as needed. All pertinent project information will also be disseminated through the designated team project manager to ensure that proper flow of information is maintained. The team project manager will also facilitate regular project updates and discussions via electronic mail, phone and/or on-line conference calls and/or meetings throughout the course of the project, in direct coordination with the City's project manager. Communication protocols for coordinating with other City departments, agencies and the community will be as directed by the City's project manager and established prior to project/task initiation.
- B. Schedule and Resource Control:** As a professional design firm, ASCE project managers routinely handle a myriad of projects at any given point in time, working in conjunction with team sub-consultants. To effectively manage workloads, the project manager will identify project/task scheduling requirements with the City prior to the *Notice-to-Proceed*. Scheduling requirements are then discussed internally and with team sub-consultants as applicable, to identify and resolve any potential schedule conflicts and/or manpower issues. If necessary, the project manager will create a project schedule / Gantt chart with integrated team work commitments and timeline to identify and resolve any potential schedule conflicts and manpower issues to meet the City's project scheduling requirements.
- C. Quality Assurance (QA) / Quality Control (QC) & Cost Philosophy:** The ASCE team is committed to the City in providing the best possible product and services whereby QA/QC is continuously practiced from project inception to completion. "Checks and balances" procedures are conducted regularly between key staff members and team sub-consultant(s) to ensure appropriate concepts and/or designs are derived and implemented for the project, in consideration of constructability and cost considerations. Milestone checks and continuous coordination between management and production staff members during the development phase through production phase are performed to ensure proper work quality of deliverables are achieved and maintained throughout the process. A final check is also conducted prior to each formal submittal to the City. This streamlined method of integrating QA/QC within the development and final design process also results in better control of the budget and project schedule. The practice typically considers the review of following items:
- ✓ Concept & Scope Development
 - ✓ Environmental Compliance
 - ✓ Design Details and PS&E Preparation
 - ✓ Constructability and Cost Considerations (Value Engineering)
 - ✓ Conformity to CAD/Drafting Standards
 - ✓ Fulfilling City Related Requirements, Comments and Considerations
 - ✓ Completeness and Quality of Deliverables

In addressing and responding to City comments, the project team will conduct a review within each discipline as necessary to determine if any comments require any further clarification / discussion / instruction / coordination to properly address the items in question. A list will be compiled and provided to the City's project manager as the basis for discussion and coordination to ascertain that each comment is adequately addressed in order to avoid repetitious items during subsequent reviews.

IX. RELEVANT PROJECTS AND REFERENCES

GLASSELL CAMPUS LID RETROFIT (DEMONSTRATION CAMPUS)



Location - Orange, California | Client – Orange County Public Works



Adams Streeter lead this multi-benefit project in conjunction with the landscape architect (Schmidt Design Group), geotechnical engineer (NMG Geotechnical) and other third-party vendors for the development of schematic designs and concept plan drawings, and for the preparation of final construction documents for this **9.4-acre Low-Impact Development (LID) retrofit** of the County's Glassell Campus Facility which consists of three parcels located on Glassell Street and Bristol Lane in the City of Orange. The team also provided construction support services for the project.

The Glassell Campus LID Retrofit project is funded through a Proposition 84 grant and showcase the transformation of an existing 9.4-acre industrial/commercial site with 95% impervious area into a state of the art MS4 compliant storm-water capture, treatment, outreach and research center. The project restored the pre-development hydrologic conditions by constructing various LID BMPs such as porous asphalt, porous concrete, porous pavers, bio-remediation swales and planters, media filter, modular wetlands, above-ground cistern and subterranean water storage structures. The project also required extensive re-construction of the existing parking lots and the County's paved maintenance yard facility.

This site now serves as an educational venue for the public, informing visitors of the function and purpose of each BMP while providing relief from urbanism to the residing tenants. The project was completed on-time and on-budget and received the 2016 APWA Regional Storm Water Quality Project of the Year and 2017 ASCE Outstanding Sustainable Engineering Project awards.

PRIME FIRM: Adams Streeter Civil Engineers

AWARDS: APWA Regional Storm Water Quality Project of the Year, 2016
ASCE Outstanding Sustainable Engineering Project Award, 2017

COMPLETED: 2016

CLIENT REFERENCE:

Orange County Public Works

Robert McLean, Senior Civil Engineer

OC Infrastructure Programs, Hydrology Section

(714) 647-3951

robert.mclean@ocpw.ocgov.com



BALL ROAD BASIN SITE DEVELOPMENT ANALYSIS



Location - Anaheim, California | Client – Orange County Water District



Adams Streeter assisted the Orange County Water District (OCWD) in performing a site development analysis as part of the feasibility and planning study to assess development of its Ball Road Recharge Basin located south of Ball Road in the City of Anaheim for commercial/industrial use. A mapping and boundary analysis of this 29-acre site consisting of multiple parcels was initially performed to re-establish both property boundary and easement constraints over the property. Conceptual Site Grading and earthwork to allow mass grading and pads establishment was developed in consideration of constraints imposed by adjacent streets (Ball Road, Phoenix Club Drive and the Santa Ana River service road), drainage patterns, dry and wet utilities infrastructure, proposed facilities (injection wells, etc.), significant easements and other factors. Off-site and on-site hydrology, drainage analysis and water quality assessments were also performed in consideration of the City of Anaheim's 42" Sanderson Avenue and 36" Auto Center Drive storm drain systems and the Orange County Flood Control District's (OCFCD) Chantilly Regional Storm Drain System (12' x 9.5' RCB) that discharges in to the recharge basin. This effort resulted in the development of a Conceptual Storm Drain Plan that provide options for the extension, re-routing and discharging of the various City and regional storm drain facilities (including for the local storm drain collection system) to the Santa Ana River and/or proposed water quality basin. A Conceptual Sewer and Water Plan was also developed to indicate required improvements within Phoenix Club Drive for connection into the City of Anaheim's public sewer system. Preliminary cost estimates to develop the site was prepared in accordance with the various concept plan improvements.

PRIME FIRM: Adams Streeter

COMPLETED: 2017 / On-Going On-Call Engineering Services

CLIENT REFERENCE:

Orange County Water District

Bruce Dosier, Director of Information Services & Property Management

714-378-3298

bdosier@ocwd.com

INTERSTATE 5 / STATE ROUTE 74 HIGHWAY INTERCHANGE STORM DRAIN AND WATER QUALITY TREATMENT PROJECT



Location – San Juan Capistrano, California | Client – City of San Juan Capistrano

Adams Streeter assisted the City of San Juan Capistrano in providing final engineering design for this water quality driven project involving storm drain and water quality enhancements / structural BMP retrofits at a busy downtown commercial district along Del Obispo Street immediately south of Ortega Highway for the treatment of storm water run-off into City streets originating from the construction of the I-5 / SR-74 Ortega Highway Interchange Project that was administered and recently completed by Caltrans. This project was initiated through a Cooperative Agreement between Caltrans and the City of San Juan Capistrano. Design was completed on-time and on a minimum budget.



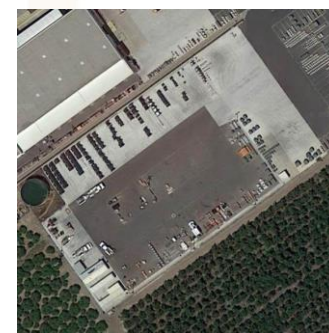
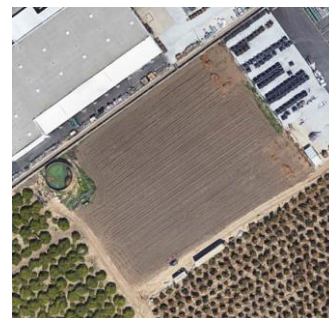
PRIME FIRM: Adams Streeter Civil Engineers
COMPLETED: Design Completed 2017, Construction Completed 2019
CLIENT REFERENCE: **City of San Juan Capistrano**
 George Alvarez, PE, TE, Consulting Project Manager (former City Engineer)
 (949) 443-6351, galvarez@sanjuancapistrano.org

SCE VENTURA STORAGE EXPANSION



Location – Ventura, California | Client – Ware Malcomb for Southern California Edison

The project consists of 1.62 acres of vacant dirt lot that was converted to an SCE storage expansion lot at their Ventura facility. Low Impact Development techniques were employed for the project to mitigate the additional storm water run-off generated by the increased impervious surface area of the paved lot. Post-construction run-off conditions was designed to mimic the pre-construction sheet flow that drains to the adjacent orchard. The difference in the run-off was detained and infiltrated on-site and a weir structure with rip-rap was designed to mimic the pre-construction condition. On-site run-off is captured via a series of inlets and conveyed to a dual corrugated metal pipe system with a CDS pre-treatment structure for storage and treatment respectively. Infiltration of the detained storm water quality design volume (SWQDV) is provided through four (4) modified MaxWell IV dry wells that penetrates into permeable soil at thirty (30) feet below grade.



PRIME FIRM: Adams Streeter for Ware Malcomb
COMPLETED: 2017
CLIENT REFERENCE: **Southern California Edison**
 Daniel Slider, Manager
 (805) 654-7238, Daniel.Slider@sce.com
 Ware Malcom Project Manager: Felix Gonzalez, PE
 (949) 430-2531, FGonzalez@adams-streeter.com



ICHA UNIVERSITY HILLS STORM DRAIN IMPROVEMENTS

Location – Irvine, California | Client – Irvine Campus Housing Authority

The ICHA University Hills Storm Drain Improvement Project is part of a 28-acre Planning Area 11 development for the Irvine Campus Housing Authority (ICHA) that involved mass excavation operations and includes the installation of water quality BMPs consisting of a 51,000 cubic-foot storm drain retention and infiltration system with upstream storm filtration units for pre-treatment purposes. The scope of work for corresponding off-site improvements within the public right-of-way also includes the reconfiguration of a 30" public storm-drain by-pass system to intercept and redirect off-site storm run-on. The 1,600 feet linear storm drain system with a 58-cfs capacity was reviewed and approved by both City of Irvine and Orange County Flood Control District and was completed in 2016.

PRIME FIRM:

Adams Streeter

COMPLETED:

2016

CLIENT:

Irvine Housing Campus Authority

Victor Van Zandt, President of Planning and Construction
949-824-4827, victor.vanzandt@icha.uci.edu

ALSTON DEVELOPMENT AS

Location – Anaheim, California | Client – Tri Pointe Homes

The Alston Development Project is a 12-acre residential development in City of Anaheim consisting of 75 single family residential lots, open space areas utilized as community parks with bio-swales, proprietary bio-filtration systems and underground detention chambers. Detention chambers are utilized to capture the storm water runoffs from the majority of development site since infiltration for the project site is infeasible. The underground detention chambers for the project site are designed as a series of corrugated metal pipes (CMP) sized to hold both the Design Capture Volume (DCV) which is the 85th percentile, 24-hour storm event with peak flows per 100-year storm event. Peak flows are mitigated to equal or be less than the site pre-development flows. Low flow from the detention chambers is conveyed into a proprietary bio-filtration structure for treatment. The bio-filtration structure is a Modular Wetland System (MWS) designed specifically as a volume-based structure to both treat the DCV and drawdown the DCV within 48 hours. For portion of the site that does not drain into detention chambers, flows from the street are conveyed by series of curb opening into a vegetated bio-swale for treatment. The vegetated bio-swale system provides for pollutant removal through settling and filtration via the vegetation lining the channels. The bio-swale also incorporates a sub-drain system that connects to the storm drain system where treated flow is captured and conveyed to the storm drain system.

PRIME FIRM:

Adams Streeter

COMPLETED:

2017 (Other Phases On-Going)

CLIENT:

TRI Pointe Homes

Rick Wood, Vice President of Project Management
949-478-8638; Rick.Wood@TRIPointehomes.com



FACULTY HOUSING, UNIVERSITY HILL PLANNING AREA 10-2



Location - Irvine, California | Client – Irvine Campus Housing Authority



Adams Streeter assisted the Irvine Campus Housing Authority (ICHA) in providing engineering design for a 45-single family residential lot faculty housing development located at the University Hills Planning Area 10-2 that includes street, sanitary sewer, storm drainage and domestic water infrastructure. The Irvine Campus Housing Authority functions as their own “municipality” apart from the City of Irvine that builds and maintains their own infrastructure. Final engineering design was completed and approved in late 2015, followed by construction in early 2016 that was completed the same year.



PRIME FIRM: Adams Streeter Civil Engineers

COMPLETED: Late 2015 - Design
Late 2016 - Construction

CLIENT REFERENCE:

Irvine Campus Housing Authority
Victor Van Zandt, CEO & President
1083 California Ave. Irvine, CA 92617
Office: 949.824.4827
Cell: 949.294.2354
victor.vanzandt@icha.uci.edu

FACULTY HOUSING, UNIVERSITY HILL PLANNING AREA 11-1



Location - Irvine, California | Client – Irvine Campus Housing Authority



Adams Streeter assisted the Irvine Campus Housing Authority (ICHA) in providing engineering design for sanitary sewer and water improvements for Phase 1 of 5 phases of the faculty housing at University Hills Planning Area 11-1, a residential development situated in Irvine at the northwest corner of Bonita Canyon Drive and Shady Canyon Drive. The Irvine Campus Housing Authority essentially functions as their own “municipality” which builds and maintains their own infrastructure. This particular phase connected two other neighborhoods of multi-family residential phases; one to the south and one to the west. The northerly phases continued to be single family residential. In addition to water improvement plans, Adams Streeter also provided the design for a recycled water system for irrigation and the water system connection to the community pool for this 50-lot neighborhood. This project was designed and approved in late 2017. Construction commenced in early 2018 and was completed the same year.

PRIME FIRM: Adams Streeter Civil Engineers

COMPLETED: Design Completed Late 2017.
Construction Completed Late 2018.

CLIENT REFERENCE:

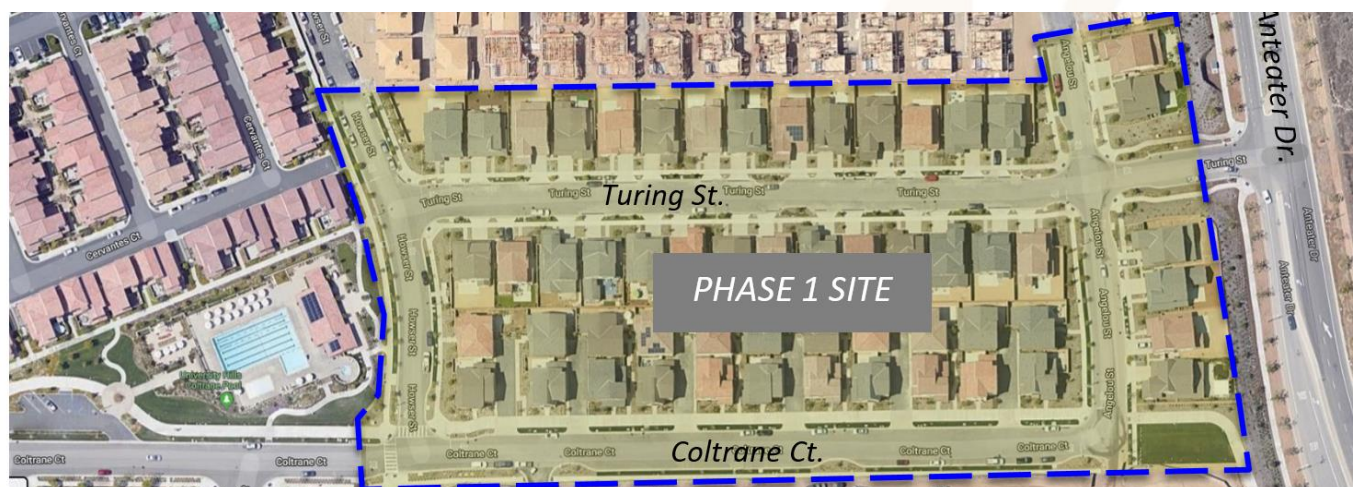
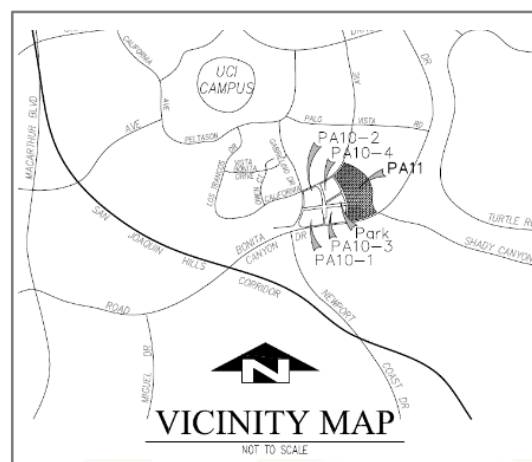
Irvine Campus Housing Authority

Bryce Bunker, Manager Planning & Construction

1083 California Ave. Irvine, CA 92617

Office: 949.824.4084

Cell: 949.933.8758



TRI-POINTE HOMES AT ESENCIA, PLANNING AREA 2.2

AS

Location – Rancho Mission Viejo, California | Client – Tri-Pointe Homes / Rancho Mission Viejo Company



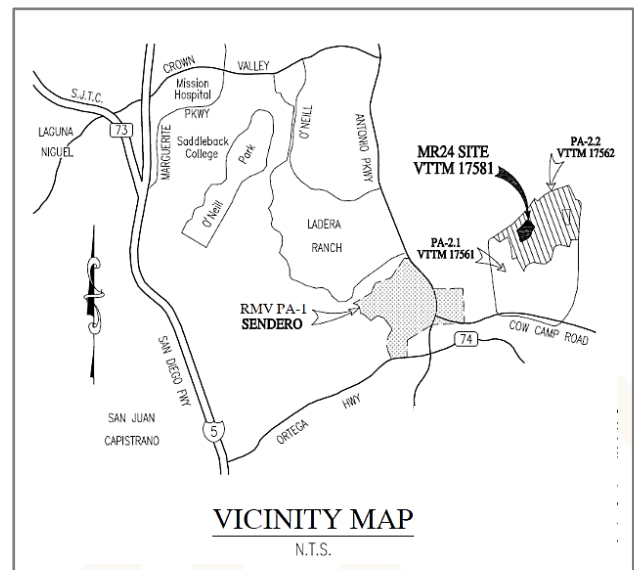
Adams Streeter assisted the Rancho Mission Viejo Company in providing engineering design for sanitary sewer, domestic water and storm drain improvements for this 72-lot hillside single family residential development located at the MR24 site within Planning Area 2.2. Adams Streeter was involved in the design and construction of five (5) tracts within this planning area that consisted of a total of fifteen (15) separate tracts. New infrastructure includes streets, domestic water, reclaimed water, sanitary sewer, storm drain facilities, rough and precise grading. Sewer and water plans were designed in accordance with Santa Margarita Water District (SMWD) standards and specifications. This project was designed and approved in early 2018. Project construction commenced in late 2018 and was completed recently, in late 2019.

PRIME FIRM: Adams Streeter Civil Engineers

COMPLETED: Design Completed 2018.
Construction completed in Late 2019.

CLIENT REFERENCE:

Rancho Santa Margarita Water District
Karla Houlihan, Plan Check Engineer
26111 Antonia Pkwy, Rancho Santa Margarita,
California 92688
Office: 949.459.6581
Cell: 949.392.0385



STATEMENT OF QUALIFICATIONS FOR ON-CALL ENGINEERING DESIGN SERVICES FOR UTILITIES

Currently active on-call services with other public agencies is provided below with summarized project descriptions, period performed and contact information:

| LISTING OF CURRENTLY ACTIVE “ON-CALL” SERVICES | | |
|--|---|---|
| 1. | PROF. CONSULTING SERVICES FOR ENGINEERING, BUILDING & ARCH. SERVICES (2019-Renewed) | |
| | Agency: | City of San Juan Capistrano |
| | Address: | 32400 Paseo Adelanto, San Juan Capistrano, CA 92675 |
| | Name & Title: | Mr. Thomas Toman, Public Works Director |
| | Phone: | (949) 234-4580 |
| | E-mail: | ttoman@sanjuancapistrano.org |
| | Description: | Engineering services inclusive of comprehensive design, plan & map checking, survey & mapping and other related services (landscape, geotechnical, environmental, structural). Projects and tasks performed between 2015 and 2019 includes: (1) PS&E for the Alipaz Street Drainage Improvement Project to alleviate street flooding within a residential and commercial district; assistance with OCTA Measure-M Eligibility and OCTA Semi-Annual Review (SAR); assistance with the development of the Cook-Cordova Park and Good Neighbors Park projects; development plan review for River Street Development; and other miscellaneous tasks. |
| 2. | PROJECT ENGINEERING SERVICES AT THE ORANGE COUNTY GREAT PARK (2019) | |
| | Agency: | City of Irvine |
| | Address: | 1 Civic Center Plaza, Irvine, CA 92623 |
| | Name & Title: | Mr. Steve Torelli, Senior Management Analyst |
| | Phone: | (949) 724-6381 |
| | E-mail: | storelli@cityofirvine.org |
| | Description: | Civil engineering and related support for the OC Great Park inclusive of site planning & development, drawings, master plan assistance, plan check and plan review, intergovernmental coordination (i.e. Navy, OC Health, IRWD, EPA), environmental coordination (SWPPP, WQMP), surveying, mapping, structural, and other services. Current 2019-20 tasks include (2) Pretend City Legal Descriptions; (2) Building & Hangar Structural Evaluations; (3) Administration Building Geotechnical Services; (4) Western Sector Concept Plan Review; (5) Serrano Creek Development Plan Check; (6) Festival Parking Lot Lighting; (7) Administration Building Plan Review; and (8) Remedial Plan Update for the former El Toro Marine Corps Air Station. |
| 3. | ENGINEERING SERVICES FOR IRVINE CAMPUS HOUSING AUTHORITY (1995 To Present) | |
| | Agency: | Irvine Campus Housing Authority (ICHA) |
| | Address: | 1083 California Avenue, Irvine, CA 92617 |
| | Name & Title: | Mr. Victor Van Zandt, CEO and President |
| | Phone: | (949) 824-4827 |
| | E-mail: | victor.vanzandt@icha.uci.edu |
| | Description: | ICHA’s “on-call” civil engineering firm for over 25 years in shaping the UC Irvine community since 1994. Recent services include design and construction support for the Planned Community and Faculty Housing at University Hills for Planning Area 10-2 thru 10-4, and Planning Area 11-1 thru 11-5, and Geographic Information System (GIS) to manage ICHA’s community-wide infrastructure network system assets. |

Summerly Recycled Waterline, Lake Elsinore

Client: RW Beck

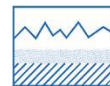
Project Period: 2009-2010

Contact: Mr. Stephen Dopudja, Vice President

West Yost (formerly RW Beck)

(949) 517-9060

sdopudja@westyost.com



Field exploration, soil testing, design and construction services for a 30-inch waterline for the Elsinore Valley Municipal Water District. The new line extended over 5,000 linear feet and included a crossing under the San Jacinto River which required 35- to 50-foot deep jack and bore pits. Excavations and dewatering during construction showed very permeable conditions in the native earth units.

Corporate Yard Infiltration Ponds, City of Corona

Client: City of Corona

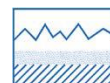
Project Period: 2014

Contact: Mr. Vernon R. Weisman, P.E., District Engineer

City of Corona Department of Water and Power, Public Works Department

(951) 739-4912

vernon.weisman@CoronaCA.gov



City improvement project consisting of geotechnical exploration and infiltration study within an existing 3.4-acre infiltration pond. NMG provided geotechnical review and field percolation testing to evaluate soil layers below the basin. Percolation testing was performed at depths between 5 and 20 feet to assist in design of basin reconfiguration and grading to achieve increased infiltration performance.

Veterans Park Storm Water Diversion and Infiltration, Redondo Beach

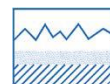
Client: AKM Consulting Engineers

Project Period: 2017

Mr. John Loague, Engineer

(949) 753-7333 x103

jloague@akmce.com



Exploration including borings and in-situ percolation testing for proposed storm drain improvements and a network of subterranean infiltration galleries. The exploration involved city encroachment permitting and exploration and testing within an active/existing public park. Percolation testing was governed by County of Los Angeles Guidelines. The project included a feasibility study and development of a design infiltration rates.

Camellia Court, City of Alhambra, California

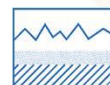
Client: Lennar

Project Period: 2018 – 2020

Client: Mr. Dan Hosseinzadeh, Project Manager

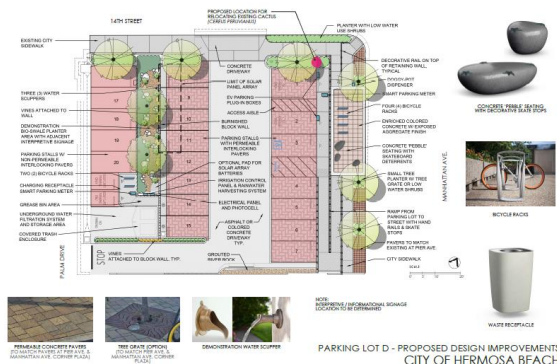
(949) 349- 8215

Dan.Hosseinzadeh@lennar.com



This approximately 12-acre mixed use development utilized both infiltration chambers and deep drywell systems. NMG performed Cone Penetration Testing (CPTs) to obtain continuous soil stratigraphic information coupled with hollow-stem auger borings in order to develop a subsurface stratigraphic profile of the site. Both near surface and deep percolation testing was performed, up to 60 feet below existing grade, in order to provide design infiltration rates for the proposed infiltration systems.

- Joan Valle, Associate Engineer, Riverside County Flood Control and Water Conservation District
(951) 955-8856, jvalle@rivco.org
- Nancy Sansonetti, AICP, Planner III, San Bernardino County Department of Public Works
(909) 387-7876, nancy.sansonetti@dpw.sbcounty.gov
- George Zakhari, Associate Water Quality Engineer, Golden State Water Company
(760) 515-8322, George.Zakhari@gswater.com

[illegible]

Reference: Reed Salan, Associate Engineer, Public Works Department, (310) 318-0229, rsalan@hermosabch.org

X. FEE SCHEDULE

The Fee Schedule is submitted in a separate sealed envelope and comprise of the Standard Fee Schedules for ASCE and subconsultant team members. The team acknowledge that the pricing and rates provided shall remain valid for the entire two (2) year Agreement term. The team also acknowledge that price adjustments and final pricing for all assigned project(s) and/or task(s) may be negotiated by the City.

XI. REQUIRED FORMS

Required forms consisting of the Certification of Proposal, Non-Collusion Affidavit, Compliance with Insurance Requirements, and Acknowledgement of Professional Services Agreement are provided in the Appendix section of this SOQ.

APPENDIX

- Certification of Proposal
- Non-Collusion Affidavit
- Compliance with Insurance Requirements
- Acknowledgement of Professional Services Agreement



6.3 Required Forms

6.3.1 Certification of Proposal

RFQ #: 20-02

The undersigned hereby submits its proposal and agrees to be bound by the terms and conditions of this Request for Proposal (RFQ).

1. Proposer declares and warrants that no elected or appointed official, officer or employee of the City has been or shall be compensated, directly or indirectly, in connection with this proposal or any work connected with this proposal. Should any agreement be approved in connection with this Request for Proposal, Proposer declares and warrants that no elected or appointed official, officer or employee of the City, during the term of his/her service with the City shall have any direct interest in that agreement, or obtain any present, anticipated or future material benefit arising therefrom.
2. By submitting the response to this request, Proposer agrees, if selected to furnish services to the City in accordance with this RFQ.
3. Proposer has carefully reviewed its proposal and understands and agrees that the City is not responsible for any errors or omissions on the part of the Proposer and that the Proposer is responsible for them.
4. It is understood and agreed that the City reserves the right to accept or reject any or all proposals and to waive any informality or irregularity in any proposal received by the City.
5. The proposal response includes all of the commentary, figures and data required by the Request for Proposal
6. The proposal shall be valid for 90 days from the date of submittal.

7. Proposer acknowledges that the City may issue addendums related to this RFQ and that the proposer has reviewed the following addendums which have been issued:

Addendum: _____

Addendum: _____

Addendum: _____

Addendum: _____

8. Proposer further acknowledges the provisions of any addendums issued have been incorporated into their proposal.

Signature of Authorized Representative:

A handwritten signature in blue ink that reads "Randal L. Streeter".

Printed Name and Title:

Randal L. Streeter, President

6.3.2 Non-Collusion AffidavitRFQ #: 20-02

The undersigned declares states and certifies that:

1. This proposal is not made in the interest of or on behalf of any undisclosed person, partnership, company, association, organization or corporation.
2. This proposal is genuine and not collusive or sham.
3. I have not directly or indirectly induced or solicited any other Proposer to put in a false or sham proposal and I have not directly or indirectly colluded, conspired, connived, or agreed with any other Proposer or anyone else to put in a sham proposal or to refrain from submitting to this RFQ.
4. I have not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the proposal price or to fix any overhead, profit or cost element of the proposal price or to secure any advantage against the City of Hermosa Beach or of anyone interested in the proposed contract.
5. All statements contained in the Proposal and related documents are true.
6. I have not directly or indirectly submitted the proposal price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, or paid, and will not pay, any fee to any person, corporation, partnership, company, association, organization, RFQ depository, or to any member or agent thereof, to effectuate a collusive or sham proposal.
7. I have not entered into any arrangement or agreement with any City of Hermosa Beach public officer in connection with this proposal.
8. I understand collusive bidding is a violation of State and Federal law and can result in fines, prison sentences, and civil damage awards.

Signature of Authorized Representative:

A handwritten signature in blue ink, appearing to read "Randal L. Streeter", written over a horizontal line.

Printed Name and Title:

Randal L. Streeter, President

6.3.3 Compliance with Insurance RequirementsRFQ #: 20-02

The selected consultant will be expected to comply with the City's insurance requirements contained within this RFQ.

The undersigned declares states and certifies that:

1. Proposer agrees, acknowledges and is fully aware of the insurance requirements as specified in the Request for Proposal.
2. If selected, proposer agrees to accept all conditions and requirements as contained therein.

Signature of Authorized Representative:

A handwritten signature in blue ink, appearing to read "Randal L. Streeter", written over a horizontal line.

Printed Name and Title:

Randal L. Streeter, President



6.3.4 Acknowledgement of Professional Services Agreement

RFQ #: 20-02

The selected consultant will be expected to comply with and sign the City's Professional Services Agreement. Proposers should identify and/or indicate any exceptions to the Sample Professional Services Agreement included in Section 6.2. The City Attorney or their designee retains the discretion to accept or reject proposed exceptions or modifications to the City's Professional Services Agreement.

1. Proposer agrees, acknowledges and is fully aware of the conditions specified in the City's Sample Professional Services Agreement.
2. Proposer agrees to accept all conditions and requirements as contained therein with exceptions noted as follows:

12. INDEMNIFICATION. CONSULTANT shall indemnify, ~~defend~~ ^{adjudicated} with counsel approved by CITY, and hold harmless CITY, its officers, officials, employees and volunteers from and against all liability, loss, damage, expense, and cost (including ~~without limitation~~ reasonable attorneys fees, expert fees and all other costs and fees of litigation) ~~of every nature~~ arising out of or in connection with CONSULTANT's performance of work hereunder or its failure to comply with any of its obligations contained in this AGREEMENT, regardless of CITY'S passive negligence, but excepting such loss or damage which is caused by the sole active negligence or willful misconduct of the CITY. Should CITY in its sole discretion find CONSULTANT'S legal counsel unacceptable, then CONSULTANT shall reimburse the CITY its costs of defense, including without limitation reasonable attorneys fees, expert fees and all other costs and fees of litigation. The CONSULTANT shall promptly pay any final judgment rendered against the CITY (and its officers, officials, employees and volunteers) covered by this indemnity obligation. It is expressly understood and agreed that the foregoing provisions are intended to be as broad and inclusive as is permitted by the law of the State of California, ^{in compliance with SB496,} and will survive termination of this Agreement.

Signature of Authorized Representative:

A handwritten signature in blue ink that reads "Randal L. Streeter".

Printed Name and Title:

Randal L. Streeter, President