CITY OF GARDEN GROVE
PROPOSAL FOR ON-CALL GEOTECHNICAL SERVICES

Due: February 2, 2023 before 2:00 PM

SUBMITTED TO:

City of Garden Grove
Public Works Department
11222 Acacia Parkway,
Garden Grove, CA 92840
Attn: Mark Uphus
Tel: 714.741.5191

GEOCON

PREPARED BY:

Geocon West, Inc.
Jelisa Thomas Adams, GE | Vice President
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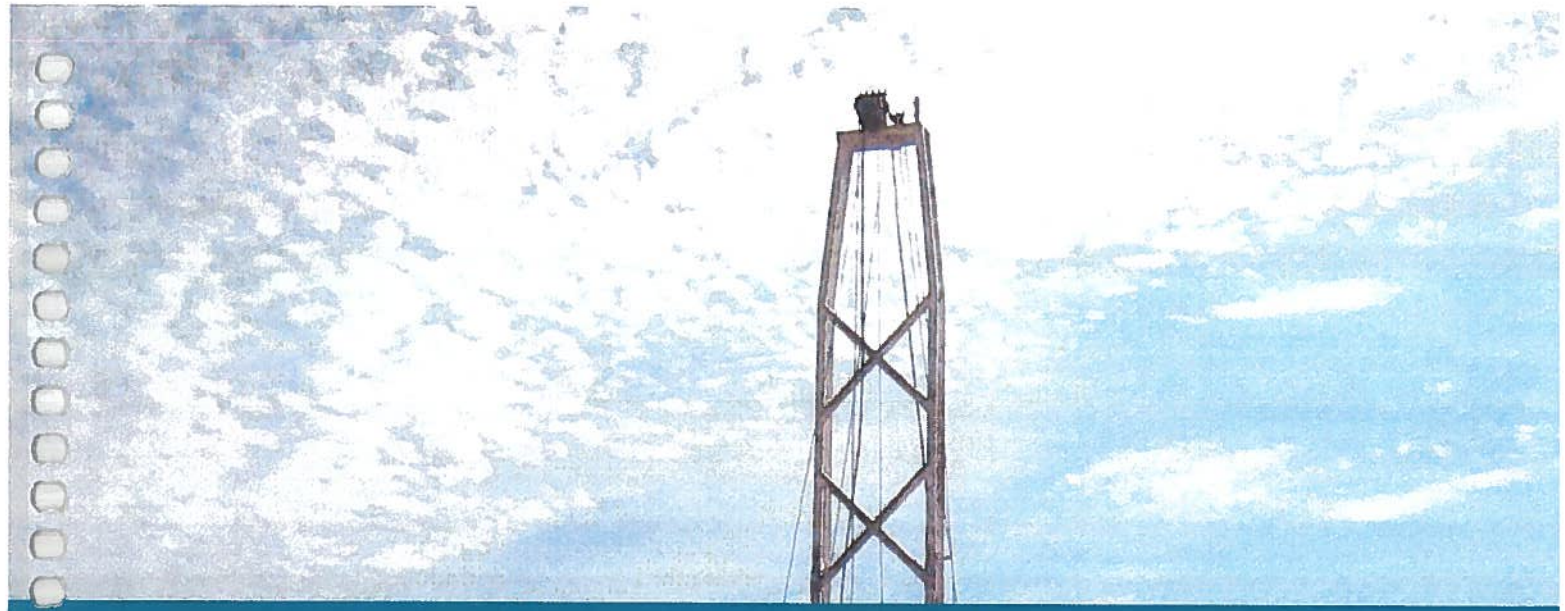

COVER LETTER

GEOCON

Geocon Proposal No. 2023-014
February 2nd, 2023

Mark Uphus
Senior Civil Engineer
City of Garden Grove
11222 Acacia Parkway,
Garden Grove, CA 92840

SUBJECT: REQUEST FOR PROPOSAL FOR ON-CALL GEOTECHNICAL SERVICES 2022

Dear Mr. Uphus,

Geocon West, Inc. (Geocon) welcomes the opportunity to continue to support the City of Garden Grove (City) in reference to the RFP for On-Call Geotechnical Services. Over the course of the last 3 years as an on-call consultant to the City, we have demonstrated our technical expertise, project management approach, integrity, and responsiveness. In that time, we have also come to know what the City expects in a consultant, familiarized ourselves with City processes, approaches to project delivery, and procurement standards. We stand ready to continue to serve the City and its staff by providing expert geotechnical and materials testing services while using our working knowledge of the City's programming to enable optimal project execution from Notice to Proceed to Project Closeout.

Geocon has over 50 years of experience performing geotechnical services for public agencies and municipalities right here in Southern California. We also perform engineering geology, materials testing and inspection, and environmental engineering services. Our local office and certified laboratory in Irvine will manage this contract and partner with the City to provide Geotechnical Services, which will include, but are not limited to: performing subsurface exploration and analysis; required laboratory testing; reviewing existing geotechnical/geologic maps, reports or other documents related to the project and its location; reviewing project plans and specifications through the design process, with consideration of geotechnical issues; providing geotechnical evaluation and recommendations; investigating and analyzing existing pavement conditions; preparing and submitting final geotechnical reports with logs of exploratory borings, results of laboratory testing and analysis; and performing asphalt batch plant inspections.

We have performed the same services for similar projects for numerous public agencies across our 52-year history, including recently for the City of Anaheim, the City of Newport Beach, and the County of Los Angeles, Department of Public Works, to name a few.

Beyond our extensive experience and demonstrated service to the City, what sets Geocon apart?

- ✓ **We bring innovation and problem-solving to all of our projects – big or small.** Our goal on every project is to develop creative, cost-effective, and practical geotechnical and environmental solutions. Problem-solving early in project phasing is key. We pride ourselves on adding genuine value to every aspect of a project to enable the project to successfully move across phases.

- ✓ **Transparency is key to our project management approach.** We are committed to keeping cost, schedule, quality, safety, and importantly, transparency, top of mind while we deliver our Task Orders. We maintain strict burn-rate reports internally so that we stay on budget and transparently communicate our project milestone tracking to clients. Drawing from our extensive experience, we understand the need for rapid response times, communication and coordination with the project team, while maintaining excellent standards and providing quality deliverables.

- ✓ **Our principals are working principals.** Senior engineers and principals, like myself, will service your Task Orders. You will find a highly experienced leadership team at your disposal. Additionally, our principals play a direct role in

oversight of the team and take every opportunity to streamline costs. For example, our principals bill at senior rates to control costs. We also have many multi-certified inspectors, and it is always our goal to have one inspector cover multiple tasks rather than having two or more inspectors on-site simultaneously; this minimizes the assignment of multiple field staff, all per the direction of working principals.

- ✓ **Our team is local, experienced, and available.** Geocon offers an experienced, local team you can trust for this on-call contract. We are known for our responsiveness and availability to meet short-term requests. We do not utilize pay-when-paid clauses, so we receive priority scheduling from our subcontractors to expedite your projects. Our fully operational office and comprehensive testing laboratory in Irvine as well as our staff of engineers, geologists, technicians, and inspectors stand ready to serve the City.

- ✓ **We perform our soils and materials testing in our in-house laboratories.** We perform our services *in-house,* manage our own laboratories and maintain strict oversight of standards within our laboratories. We are consistently rated by CCRL and other certifying bodies with top performance for overall organization and accuracy of testing. Our laboratories are certified by DSA, AASHTO/AMRL, Caltrans, and CCRL and can provide both soil and materials testing services 24 hours a day, 7 days a week. With staggered lab staff schedules, we are able to complete critical path testing much quicker than a typical lab.

As managing partner of Geocon West, Inc., I attest by my signature that I have the official authority to bind the company to commit its resources to fulfill the terms of this contract, and that this proposal will be valid for a minimum of 90 days. I manage the Irvine team, will manage all work under this contract, if awarded, and will be your point of contact. Please find my contact information below.

Geocon appreciates the opportunity to submit this proposal to the City. If awarded, we will be dedicated to every Task Order and ensure that we stand by our industry reputation for excellent customer service. Thank you for your consideration.

Sincerely,

Jelisa Adams

Jelisa Thomas Adams, GE
Vice President & Senior Engineer
Geocon West, Inc.
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UNDERSTANDING AND APPROACH

GEOCON

UNDERSTANDING AND APPROACH

UNDERSTANDING

The City of Garden Grove is seeking proposals from qualified Consultants to provide On-Call Geotechnical Services for future Public Works projects. Geocon has thoroughly reviewed the contents of the City's RFP and understands that the City wishes to select consultants for on-call services for a period of three years. The Garden Grove Department of Public Works develops, operates, maintains, and upgrades the City's infrastructure. The public works projects anticipated to need geotechnical services are primarily capital improvement projects for transportation, storm drains, sewer, and water supply.

The scope of anticipated services is anticipated to include performing geotechnical investigations, pavement investigations, pavement condition surveys, pavement rehabilitation design; performing review of project plans and specifications; and providing construction inspection, materials testing, and laboratory testing services in conformance with the City's and/or Caltrans' Quality Assurance Program. Geocon is capable of providing the full scope of services outlined within the 17 bullet points listed on pages 2 and 3 of the City's RFP.

APPROACH

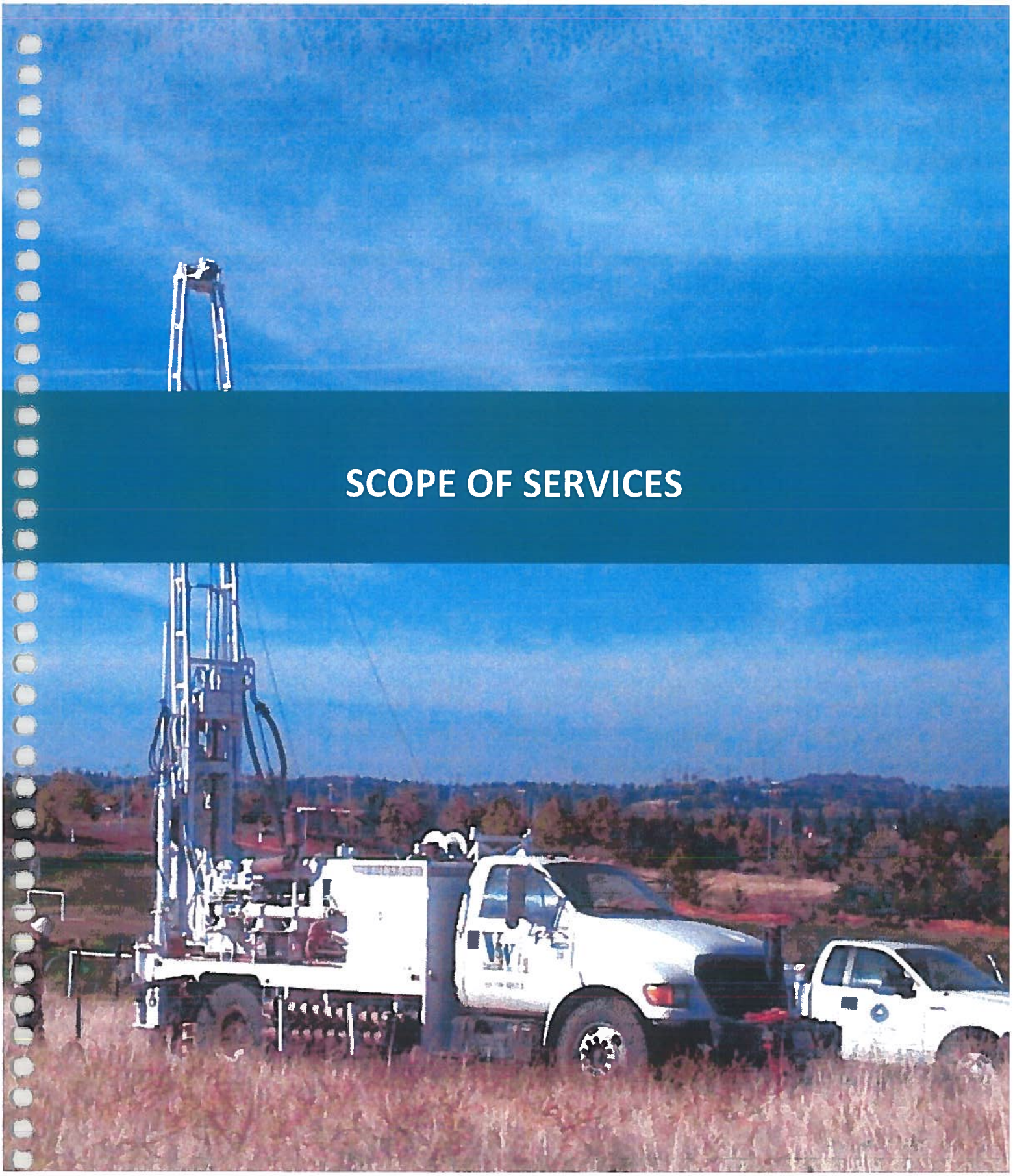
Geocon's first priority when presented with a scope of work for a project is to review the information provided as well as any background information available to gain a thorough understanding of the project elements, needs and potential challenges. Geocon will apply our project management style and approach that we have successfully developed for past and current on-call contracts with public agencies. Through the duration of the contract, Ms. Adams will be the project manager and single point of contact for the City of Garden Grove. Our approach to geotechnical services is described in the following sections.

Geocon will furnish the necessary field equipment, survey equipment, and other supporting equipment and consumables. Our staff possesses a strong ability to provide diverse professional expertise in our service disciplines and through multi-certified personnel we will provide any or all services as applicable to this service category as outlined in the RFP.

- **Consult with authorized employees, agents and representatives of the City and other agencies having jurisdiction relative to the geotechnical/materials testing and inspection of the project.** Geocon is accustomed to managing projects under public works process where a multi-level jurisdiction takes place. Geocon communicates with each team member and maintains a transparent communication pattern.
- **Attend meetings as scheduled by the City for the purpose of obtaining data pertaining to the project.** Geocon works well with members of the project team, and we make every effort to contribute innovative approaches to project designs which save our clients time and money.
- **Obtain and test soil samples. Prepare and submit preliminary geotechnical investigation and recommendations prior to the beginning of construction.** Geocon will schedule an appropriate time to arrive on site with a drill rig to obtain soil samples at appropriate depths for each assigned project. Geocon will prepare a geotechnical investigation report which will detail our findings, recommendations, and conclusions, giving the City plenty of time to review and consult prior to construction.
- **Provide geotechnical/materials/ testing and/or inspection services during the construction of the project.** By providing a multi-certified inspector on site during construction, Geocon will save the City time and budgetary funding.
- **Test designated construction materials for compliance with project plans and specifications.** Geocon will provide materials testing through our accredited in-house quality assurance testing laboratory.

- **Report all work observed on a daily basis and report material test results immediately upon completion of testing.** Geocon provides daily field reports to all requesting parties at the end of each day on-site, and at the completion of the project in a compiled report.
- **Promptly prepare and submit written reports documenting all geotechnical/materials testing and inspection services performed.** Geocon's reporting process includes all findings and documentation incurred during all services performed a minimum of 24 hours or sooner if necessary.
- **Advise the City as to the acceptability of materials tested and inspected.** Geocon is considered by many as a trusted advisor, we will always be available to the City, regardless of project assignment to answer any questions or to advise on what to do in the event of failure in materials tested and/or inspected.
- **Participate in final inspection of the project and advise City as to acceptability of work performed by construction contract.** To maintain consistency, Geocon will provide a lead multi-certified inspector who will participate in the final inspection of the assigned project, together we will advise the City as to the acceptability of work performed by the construction team.
- **Prepare final geotechnical report.** Geocon will prepare a final geotechnical report for each geotechnical investigation performed under this contract and will furnish said reports in a timely manner.
- **Services shall be performed as requested by the City and shall conform to the contract documents, Title 24 of the California Administrative Codes, Underwriter's Laboratories, American Society of Testing and Materials, and other code authorities.** Geocon is very familiar with local, state, federal, and other code authority requirements. Our services will be performed to project and applicable code specifications. We keep all our staff up to date on any changes that may occur in code requirements.

SCOPE OF SERVICES



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SCOPE OF SERVICES

GEOTECHNICAL ENGINEERING

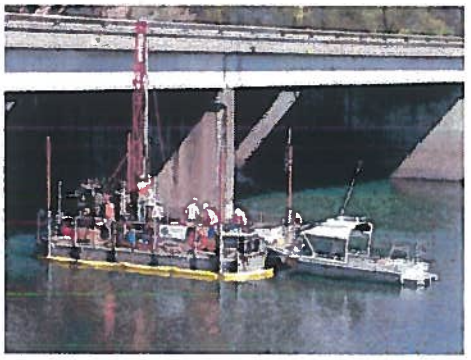
We provide geotechnical engineering services to a broad spectrum of clientele including public agencies, developers, design professionals, and the construction industry.

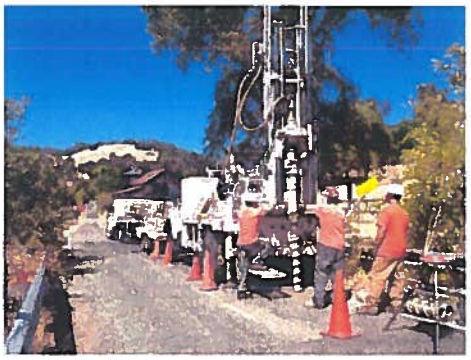
We are a full-service geotechnical consulting firm capable of performing the field, laboratory, and engineering analyses for a project with in-house staff and equipment.

All projects are managed with the ultimate goal of producing technically sound and economically feasible solutions. This is achieved by considering construction costs and client needs in conjunction with site conditions and engineering requirements. Our innovative and practical solutions to complex geotechnical problems have resulted in a substantial percentage of repeat-client work.

We offer expertise in the following areas:

- Geotechnical Investigations
- Due Diligence Geotechnical Evaluations
- Geotechnical Feasibility Studies
- Percolation and Infiltration Testing
- Geophysical Studies
- In-Situ Testing
- Shallow & Deep Foundation Design
- Pavement Studies
- Liquefaction Analysis
- Seismic Hazard Assessments
- Seismic Retrofits
- Slope Stability Evaluations
- Landslide Evaluations
- Fault Studies
- Vibration Monitoring
- Inclinometers / Piezometers
- Settlement Monitoring
- Value Engineering / Peer Review
- Ground Improvement Evaluations
- Plan and Specification Review
- Construction Management Support
- Laboratory & Materials Testing





ENGINEERING GEOLOGY

In conjunction with our geotechnical engineering services, Geocon provides engineering geology support for our public and private sector clients. Our in-house staff provides a full range of engineering geology services from feasibility studies and geologic investigations to professional review of projects.

Projects are managed by a Certified Engineering Geologist or Geotechnical Engineer with oversight by a principal of the company to produce technically sound, defensible, economically practical, and achievable solutions to complex geologic problems. We accomplish this by considering costs and client needs relative to the schedule, site conditions, and technical requirements of projects. Clients appreciate our innovative and practical solutions to complex geological problems and rely on us for advice and consultation.

Geocon's experience and that of our individual staff members provides our clients with expertise in the service areas listed below.

- Geological Feasibility Studies
- Due Diligence Geological Evaluations
- Geologic Hazard Reconnaissance & Mapping
- Slope Stability Analysis
- Landslide Evaluations & Investigations
- Seismic Hazard Assessments
- Fault Studies
- Geophysical Studies
- Geological Explorations & Investigations
- Geologic Mapping
- Subsurface Mapping
- Geotechnical Instrumentation & Monitoring
- Naturally Occurring Asbestos Surveys
- Background Metals Studies
- Mineral Resource Evaluations
- Mine Reclamation Plans
- Abandoned Mine Hazard Assessments
- Hydrologic Investigations
- Groundwater Resource Evaluations
- Well Design / Wellsite Supervision
- Plan & Specification Review
- Construction Management Support
- Settlement Monitoring
- Forensic Studies
- Peer Review

CONSTRUCTION INSPECTION

To confirm compliance with our engineering recommendations, we are commonly retained to provide quality control testing services during construction. We also provide a full range of special inspection services.

Our field technicians and inspectors maintain current certifications including International Code Council (ICC), National Institute for Certification in Engineering Technologies (NICET), American Concrete Institute (ACI), and State of California Department of Transportation (Caltrans), as well as required certifications from the cities and counties where work is performed.

Our construction inspection services are as follows:

EARTHWORK AND FOUNDATIONS

- Site Grading Observation
- Sloping / Compound / Excavations / Shoring
- Underground Utility Installation
- Subgrade Preparation
- Chemical Treatment
- Geotextile / Rock Stabilization
- Base and Paving Placement
- Spread Footing / Grade Beam Construction
- Conventional / Post-Tensioned Mat Foundation Construction
- Drilled / Driven Pile & Pier Installation
- Micro-Pile Installation
- Tie-Back Anchor / Soil Nail Installation
- Stone Columns / Vibrocompaction / Deep Dynamic Compaction
- Compaction Grouting

DEPUTY / SPECIAL INSPECTIONS

- Reinforcing Steel / Shotcrete Placement
- Concrete Placement / Curing
- Pre-Stressed / Post-Tensioned Concrete
- Shotcrete
- High-Strength Bolting
- Drilled-In-Anchor Installation
- Structural Steel Welding / Welding Qualifications
- Structural Wood
- Steel & Welding Fabricator Shop Inspections
- Batch Plant Inspections
- Reinforced Masonry Construction

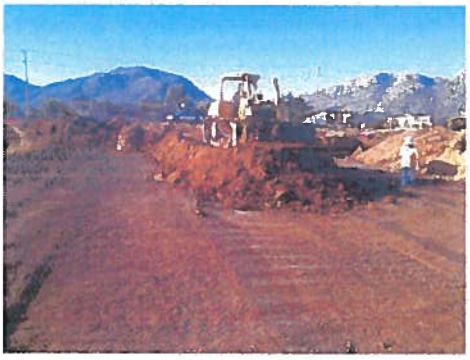
ENVIRONMENTAL ENGINEERING

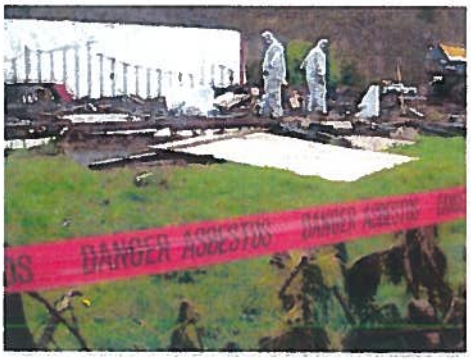
The environmental professionals at Geocon assist clients in complying with federal, state, and local laws and regulations. We provide multi-disciplinary environmental engineering services including environmental assessments, soil and groundwater investigations, remediation engineering, regulatory compliance, and risk-based corrective action studies.

Our focus is providing quality and responsive services, having built a solid reputation with private and public sector clients, for efficiently solving complex environmental issues. Our California-licensed environmental contracting division provides a broad spectrum of services from rapid response site cleanup to remediation system constructability review, installation, and operation and maintenance.

Our environmental services include:

- Brownfields Redevelopment Studies
- Phase I & II Environmental Site Assessments
- All Appropriate Inquiry (AAI) Studies
- Soil & Groundwater Investigations
- Risk Assessments & Feasibility Studies
- Groundwater Monitoring
- Asbestos & Lead-Based Paint Surveys
- Naturally Occurring Asbestos Evaluations
- Remediation Engineering Design
- Remediation System Construction
- Remediation System Operation & Maintenance
- Regulatory Compliance / Monitoring
- Air Monitoring
- Indoor Air Quality
- Soil Gas Survey
- Spill Prevention Control Plans
- Aerially Deposited Lead Surveys
- Landfill Assessments
- Litigation Support
- Mine Waste Evaluations
- Underground Storage Tank Removal
- Aboveground Storage Tank Removal / Closure
- Aboveground Storage Tank Installation
- Remedial Excavations
- Construction Management Support
- Asbestos Pipe Removal / Disposal
- Hazardous Waste Management





LABORATORY TESTING

Our in-house soils and materials testing laboratories are certified by the American Association of State Highway and Transportation Officials (AASHTO), State of California Department of Transportation (Caltrans), Cement and Concrete Reference Laboratory (CCRL), Division of State Architect (DSA), and City of Los Angeles. Testing of soil, aggregate, asphalt concrete, and Portland cement concrete is performed in accordance with published test procedures such as American Standards for Testing Materials (ASTM), Caltrans, USACE, AASHTO, or the governing building code.

Our in-house, 400,000 lb. Universal Testing Machine (UTM), manufactured by Southwark-Emery, is capable of testing up to a #18 Rebar, as well as high strength bolts and nuts.

In-house quality assurance programs are maintained to provide professional-level accuracy and reproducibility acceptable to current industry standards. This is accomplished by internal staff training, calibration of appropriate testing apparatus by certified independent agencies, and periodic inspection by outside accredited testing and inspection agencies.

Our testing laboratory provides soil and materials testing services and is extensively equipped and staffed with trained, qualified personnel and registered engineers who oversee laboratory testing. Laboratory reports will be distributed (pdf email) to project teams as testing is performed and failing tests will be reported immediately.

Our laboratory services are available 24 hours a day, 7 days a week.

Our laboratory testing services are as follows:

SOILS & MATERIALS

- Soil Compaction Curves
- Soil Index Properties
- Soil Shear / Compressive Strength Properties
- Soil Consolidation / Expansion
- Soil Grain Size Analyses / Gradation
- Soil Pavement Stability
- Soil Corrosion
- Concrete / Asphalt
- Masonry / Grout / Mortar
- Rebar, Yield and Tensile Strength
- Bolt Assemblies

GEOTECHNICAL INSTRUMENTATION

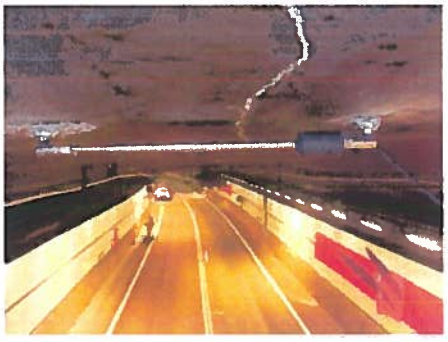
In order to preserve construction design and protect outlying structures, instrumentation correctly utilized during excavation and construction will monitor ground movement and settlement to prevent costly and/or timely interruptions during construction.

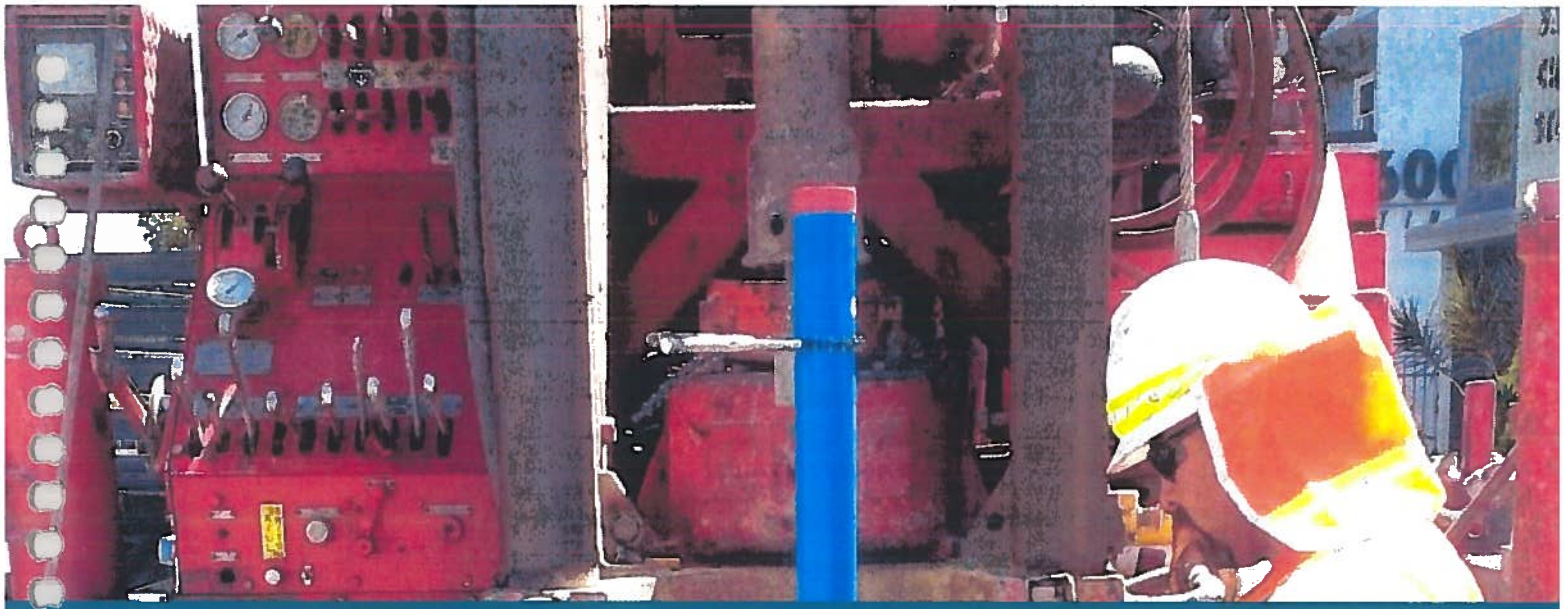
Our staff is trained and constantly updated on the instrumentation that can be installed and monitored to recognize movement and make recommendations in real time. Geocon can monitor manually or remotely utilizing a Datalogger which updates our clients at regular intervals with any significant movement. This keeps our clients on schedule and provides any necessary adjustments during the work.

Several of our team members have been certified by Geokon (a manufacturer of geotechnical instrumentation devices) as authorized instrument installers and we have contracted to provide client training on how to perform instrumentation installation and monitoring services.

Our instrumentation services are as follows:

- Strain Gauge
- Slope Inclinometer
- Crack Meter
- Tiltmeter
- Extensometer (MPBX)
- Utility Monitoring Point
- Load Cell
- Piezometer





WORK PLAN

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WORK PLAN

A Work Plan is provided below for the major tasks anticipated under this contract.

GEOTECHNICAL & GEOLOGIC INVESTIGATIONS

Geocon will perform geotechnical and geologic investigations for the evaluation and assessment of geotechnical parameters required for the design of roadways, bridge foundations, retaining walls, levees, dams, tunnels, reservoirs, utility pipelines, various building structures, and other capital improvement projects. Evaluation of stormwater infiltration will also be included, as required. Investigations will include all necessary laboratory testing and geotechnical and geologic analyses and reports will include recommendations for mitigating adverse soil conditions and will address all constructability issues with respect to earthwork, paving and foundation design. Our scope of work for geotechnical and geologic investigations will typically include the following tasks:

Capital Projects Work Authorization & Execution of Projects

- A City Project Manager (PM) will contact our Contract Manager, Ms. Jelisa Thomas Adams, with the details of an upcoming project and potential scope of service. Ms. Adams will discuss the project specifics with the City PM to gain a complete understanding of project requirements.
- After gaining a complete understanding of the project, Ms. Adams will assign the project to the appropriate Project Manager who will develop a proposal including the proposed scope of work, cost estimate, and project team, including subcontractors. Once the proposal is complete, Ms. Adams will review the final document to ensure that we have offered the City the most efficient and cost-effective approach possible. Once the proposal has been reviewed, Ms. Adams will send it to the City PM for approval.
- After receiving a Capital Projects Work Authorization, the Project Manager will hold a project kick-off meeting with their established team to go over the scope of work, project schedule and budget, and subcontractor involvement.
- All necessary subcontractors will be notified of the investigation and their services will be scheduled accordingly, depending on the scope of work.

Pre-Field Activities/Set-up

- Identify the proposed boring and test pit locations with stakes and white paint in the field.
- Coordinate proposed exploration locations with site facilities personnel, as necessary.
- Contact Underground Services Alert (USA) three working days prior to performing the exploration.
- Obtain the required excavation, well, or encroachment permits, as necessary.
- Retain drilling/excavation equipment and personnel for the field exploration.
- **Subconsultant Involvement:** Martini Drilling, BC2 Environmental, Gold Construction Services, and D.E. Eddings Equipment Rental will be contacted to provide exploratory services during the field investigation.

Field Activities/Exploration

Field activities and exploration services will include implementing the planned exploration and testing program which may include, but will not be limited to the following tasks:

- Geologic mapping
- Exploratory borings (hand auger, bucket auger, rotary wash, hollow-stem auger, etc.)
- Downhole logging of bucket auger borings
- Exploratory test pits and/or trenches
- Cone Penetration Testing
- Geophysical testing (seismic refraction/reflection, downhole geophysics, etc.)
- In-situ testing
- Fault trenching
- Logging and material classification
- Collection of soil/rock samples (disturbed and undisturbed)
- Percolation testing
- Backfilling excavations

Contaminated Soil

If we encounter contaminated soil during the field exploration program, the City will be notified immediately. If authorized by the City to do so, Geocon will take samples of the suspected contaminated soils and send them for analytical testing. If contaminated soils need to be transported, Geocon will use Belshire Environmental Services for hazardous waste transportation.

Laboratory Testing

The laboratory testing program for each geotechnical investigation is tailored specifically to the needs of each project and is contingent upon the types of earth materials encountered, the weight and nature of the proposed improvement, the depth of the proposed excavation, and the requirements of the building official. Laboratory tests may include, but will not be limited to, the following:

- In-Situ Density and Moisture Content
- Shear Strength
- Consolidation (Collapse)
- Expansion (Swell)
- Classification tests (Gradation, Hydrometer, Atterberg Limits)
- Earthwork/paving related tests (Proctor, Relative Compaction, R-Value, and Sand Equivalent)
- Water-Soluble Sulfate, Chloride, pH, and Resistivity (concrete and utility pipe corrosivity design)
- Hydraulic Conductivity
- Agronomic testing for planting suitability

Engineering and Geologic Analyses and Report Preparation

Upon completion of the field exploration and laboratory testing programs, engineering and geologic analyses will be performed to develop conclusions and determine the most cost-effective and constructible recommendations for the mitigation of geologic issues, slope instability, and/or design and construction of the proposed structures/improvements. Our analyses may include, but will not be limited to, the following:

- Evaluation of geologic conditions including slopes, nearby faults, and other geologic hazards.
- Evaluation of potential for surface fault rupture.
- Evaluation of expected ground motions from deterministic and probabilistic seismic hazard analysis.
- Static and Pseudo-static slope stability analyses for temporary and permanent slopes.
- Evaluation of soil/geologic materials and consideration of excavation difficulties.
- Assessment of excavated earth materials and suitability for reuse or disposal.
- Assessment of demolished construction materials and suitability for incorporation in engineered fills.
- Evaluation of groundwater conditions, seepage and static groundwater table.
- Evaluation of soil conditions for suitability of stormwater infiltration.
- Liquefaction and seismic settlement potential.
- Corrosion potential for concrete and utility pipes in direct contact with site soils.
- Evaluation of shallow and deep foundation systems with appropriate soil bearing values.
- Soil compressibility and settlement characteristics under different loading conditions.
- Soil expansion potential and mitigation measures.
- Soil modulus of subgrade reaction.
- Evaluation of existing and proposed underground utilities.
- Design and construction recommendations for:
    - Shallow spread and/or deepened foundations.
    - Retaining walls and sound walls.
    - Concrete slabs, flexible and rigid paving sections including treatments for base and paving subgrade.
    - Temporary and permanent excavations including sloping and shoring measures.
    - Suitability of soils for stormwater infiltration.
    - Site drainage and any other project specific recommendations required.

Peer Review of Geotechnical and Geologic Reports

Geocon will perform peer reviews of geotechnical and geologic reports prepared by other consultants. Our California-licensed Geotechnical Engineers and Engineering Geologists will evaluate the interpretation of geologic conditions, completeness of the field investigation and laboratory testing programs, technical findings, and constructability of the proposed design recommendations. Geocon has a reputation for providing very cost-effective designs and is frequently requested to perform peer reviews of geotechnical reports.

GEOTECHNICAL & MATERIALS TESTING & INSPECTION SERVICES

Geocon will provide the City with multi-disciplined certified inspectors, who will perform the required as-needed soils/materials testing and inspection services. Our inspectors are seasoned, highly qualified and maintain certifications including, but not limited to, **Caltrans**, ICC, ACI, American Welding Society (AWS-CWI), DSA, Office of Statewide Health Planning and Development (OSHPD), and American Society for Nondestructive Testing (ASNT). Our inspection staff will be 100% available throughout the contract duration. Our standard testing and inspection procedures are as follows:

- When Geocon receives an inspection request from the City's Construction Manager (Project Manager, Superintendent, Owner's Authorized Representative, Project Inspector), we will document the request in writing on an inspection request form, filling in the date and time of the inspection, type of inspection requested, person requesting the inspection, and the contact's phone number.

- We will verify that the person requesting the inspection is the City's Construction Manager or has been authorized by the Construction Manager to request the inspection. Once the information has been verified, our dispatcher will schedule the inspection with an appropriate inspector.
- On the day the inspection request was scheduled, Geocon's Inspector will meet the City's Construction Manager on-site to verify the type and location of inspection needed.
- Inspections will be performed in accordance with project specifications and City requirements.
- The inspector will provide daily written reports of inspection indicating compliance or non-compliance, which are to be signed by the City's Construction Manager before the inspector leaves the project site each day. The reports will include information about the inspector's arrival and departure time and very specific details about activities being performed each day.
- The inspector will obtain samples, as required, and transport them to our in-house laboratory for testing and analysis. Material strength verification reports will be presented to the Construction Manager via email or fax the same day strength verification breaks are performed.
- Laboratory test results will be provided promptly and in accordance with the agreed upon schedule to ensure quick review and reaction times from City and Geocon personnel.

Geocon will only acknowledge inspection requests from the Construction Manager or designated representative. When called for inspection, Geocon inspectors will first check in with the Construction Manager upon arrival at the jobsite. All project activities will be documented daily on field reports indicating whether or not the construction work and materials testing was performed was in accordance with project requirements. Any problems will be reported immediately to the Construction Manager. Copies of material delivery tickets will also be collected and maintained. The daily field reports prepared by Geocon will be signed by the Construction Manager prior to Geocon leaving the jobsite. One copy of each field report will remain at the jobsite. All material samples will be properly labeled with the project name, date the sample was collected, and sampling location. Samples will either be temporarily stored on-site in an approved location or immediately be transported to our soils and materials testing laboratory for testing and analysis.

Inspection and testing services will be performed by soils technicians, deputy inspectors, and special inspectors as required. In order to be as cost-effective as possible, **it is our intent to provide simultaneous inspections and testing services for different disciplines (geotechnical/deputy/special inspections) with a single, highly qualified inspector, eliminating the need for a second inspector whenever possible.** The selected inspector will be equipped with a vehicle and sufficient field-testing equipment (including a nuclear density gauge) to collect samples and provide in-place density test results in the field. A Deputy or Special Inspector will be provided for oversight and inspection as required. Field reports will be prepared and submitted on a daily basis and will be reviewed by Ms. Adams. Copies of all daily inspection reports and other required documents will be submitted with each invoice and copies of all documents will be maintained in electronic format (pdf) for emailing at any time.

FEE SCHEDULE

GEOCON

FEE SCHEDULE

GEOCON
WEST, INC
GEOTECHNICAL ■ ENVIRONMENTAL ■ MATERIALS

2021 SCHEDULE OF FEES

PROFESSIONAL SERVICES

Word Processor/Non-Technical Assistant/Draftsman/Dispatcher	$90/hr
Engineering Assistant/Lab Technician	90/hr
Engineering Field Technician (Earthwork/Compaction Testing/Backfill)	*80/hr
Special Inspector (Concrete, Rebar, Masonry, Welding, etc.)	*85/hr
Engineering Inspector (Bottom Approval / Shoring / Foundations / Piles)	*105/hr
LA City Deputy Grading Inspector (Bottom Approval / Shoring / Foundations / Piles)	*120/hr
Staff Engineer/Geologist	*120/hr
Project Engineer/Geologist	*140/hr
Senior Project Engineer/Geologist	*150/hr
Senior Engineer/Geologist	*170/hr
Associate Engineer/Geologist	*195/hr
Principal Engineer/Geologist/Litigation Support	350/hr
Attorney Fees (General)	450/hr
Deposition or Court Appearance	500/hr
Overtime/Saturday Rate/Night Rate (7pm – 6am w/ 8-Hr minimum per call out)	1.5 X Regular Hourly Rate
Sunday and Holiday Rate	2 X Regular Hourly Rate
Minimum Field Services Fee (per day or per call-out)	4 Hours
Short-Notice Cancellation (after 4 pm of the day prior to the scheduled inspection time)	4 Hours
Short-Notice Cancellation (upon or after arrival at jobsite)	4 Hours

*Prevailing Wage (PW) California Labor Code §1720, et. Seq add $50/hr

TRAVEL

Personnel	Regular Hourly Rate
Subsistence (Per Diem)	$200/day
Vehicle Mileage	0.60/mile

EQUIPMENT, MATERIALS, & ANALYTICAL TESTS

Nuclear Density Gauge	$10/hr	55-Gallon Drum	65/ea
Sand Cone Testing Equipment	10/hr	Visqeen (6 mil 20X100')	135/roll
Vehicle	10/hr	Traffic Cones/Barricades	35/day
Special Inspection Equipment	5/hr	TPHg(EPA 8015B)	70/ea
Asphalt Cold Patch/Concrete (60-lb.), Cement (94-lb.)	20/bag	TPHd/TPHmo	(EPA 8015M) 75/ea
GPS Unit	160/day	TPH Carbon Chain Breakdown	(EPA 8015M) 110/ea
Pick-up Truck	125/day	Methanol and/or Ethanol (EPA 8015M)	110/ea
Direct-Push Rig/Operator	165/190(PW)*/hr	Volatile Organic Compounds	(EPA 8260B) 110/ea
Direct-Push Sample Liner	10/ea	Semi-Volatile Organic Compounds	(EPA 8270) 180/ea
Hand-Auger	40/day	PAHs (EPA 8270SIM)	160/ea
Soil Sample Tube (Brass or Stainless)	10/ea	CAM 17 Metals (EPA 6010B)	170/ea
Bailer (Reusable)	33/day	Single Metal	(EPA 6010B) 20/ea
Bailer (Disposable)	15/ea	Hexavalent Chrome (EPA 7199)	60/ea
Stainless Sampling Pump	$150/day	Organochlorine Pesticides (EPA 8081)	110/ea
Battery-Powered Pump	75/day	Organophosphorus Pesticides (EPA 8141)	125/ea
Water Level Indicator	40/day	Chlorinated Herbicides (EPA 8151)	125/ea
Interface Probe	85/day	PCBs (EPA 8082)	75/ea
Photo-Ionization Meter	125/day	Soil pH (EPA 9045C)	20/ea
Combustible Gas Meter	125/day	WET or TCLP Extraction	75/ea
pH/Conductivity/Temperature Meter	50/day	EPA 5035 Sample Kits	25/ea
Turbidity Meter	80/day	Asbestos (PLM)	20/ea
Air Sampling Pump	80/day	Asbestos (400-point count)	45/ea
Level D PPE/Decon Rinse Equipment	50/day	Sample Compositing	20/composite
Concrete Coring Equipment	165/day	48-hour Turnaround Time	60% surcharge
Generator or Air Compressor	100/day	72-hour Turnaround Time	40% surcharge
Distilled Water (5-gallon)	15/ea		

LABORATORY TESTS*

COMPACTION CURVES

(D698/D1557/T99/T108) 4-inch mold	$250/ea
(D698/D1557/T99/T108) 6-inch mold	250/ea
(CT 216) California Impact	250/ea
Check Point	100/ea
(D1632/CT312) Soil Cement Cyl. Fabrication (Set of 3)	150/set
(D1632/CT312) Soil Cement Cyl. Fabrication (Addtl. Spec.)	50/ea
(D1633/CT312) Soil Cement Comp. Strength (Set of 3)	300/set
(D1633/CT312) Soil Cement Comp. Strength (Addtl. Spec.)	100/ea

SOIL AND AGGREGATE STABILITY

(D2844/CT301) Resistance Value	$285/ea
(D2844/CT301) Resistance Value, Treated	290/ea
(D1883) California Bearing Ratio	530/ea
(C977) Stabilization Ability of Lime	185/ea
(D1883) Calif. Bearing Ratio (Army Corp of Engineers)	105/ea

CHEMICAL ANALYSIS

(G187/CT643/T288) pH and Resistivity	$150/ea
(D4972/T289) pH Only	50/ea
(CT417) Sulfate Content	100/ea
(CT422) Chloride Content	100/ea
(D2974) Organic Content	75/ea

PERMEABILITY, CONSOLIDATION AND EXPANSION

(D5084) Permeability, Flexible Wall	$270/ea
(D5856) Permeability, Rigid Wall	260/ea
(D2434) Permeability, Constant Head	280/ea
(D2434) Permeability, FHA Slab-on-Grade	110/ea
(D2434) Permeability, Hourly	55/ea
(D2435/T216) Consolidation (6 pts. w/ Unload)	350/ea
(D2435/T216) Consolidation Additional Point w/ Unload	65/ea
(D4546) Swell/Compression Testing & Density	125/ea
(D4546) Swell/Settlement Testing & Density (ea. addtl. pt.)	85/ea
(D4546) Swell/Settlement Testing & Density (County)	100/ea
(D4546) Swell/Settlement Testing & Density (FHA)	90/ea
(D4829) Expansion Index of Soils	225/ea

STEEL TESTING

Reinforcing Steel Tests:

(A370) Tensile Strength & Elongation	
#11 Bar & Smaller	$100/ea
#14 Bar	125/ea
#18 Bar (Proof Test)	150/ea
(A370) Bend Test	
#11 Bar & Smaller	$50/ea
#14 & #18 Bar	70/ea
(A370) Tensile - Mechanically Spliced Bar	
#11 Bar & Smaller	$150/ea
#14 Bar & Larger	190/ea
(A370) Tensile – Electric Resist. Butt Splice w/ Control	150/ea
(A370) Straightening of bar (if required)	25/ea

Structural Steel Tests:

(A370) Machining & Prep of Test Specimen	Cost + 20%
(A370) Tensile Strength & Elongation	
Up to 200,000 lbs	$100/ea
200,000 – 300,000 lbs	125/ea
300,000 – 400,000 lbs	150/ea

Pre-stressing Wire & Tendon Tests:

(A421) Tensile Strength, Single Wire	$150/ea
(A416) Tensile Strength, 7-Wire Strand	175/ea

SOIL AND AGGREGATE PROPERTIES

(D422/T88) Particle Size, Hydrometer w/out Sieve	$210/ea
(C136/D6913/T27) Sieve, Coarse to Fine w/ #200 Wash	150/ea
(C136/D6913/T27) Sieve, Coarse or Fine w/ #200 Wash	125/ea
(C136/D6913/T27) Sieve, Coarse or Fine No #200 Wash	100/ea
(C117/D1140/T11) Materials Finer than #200	90/ea
(D2216/T265/CT226) Moisture Content	30/ea
(D2487/D2488) Visual Soil Classification	30/ea
(D2937) Density of In-Place Soil, Drive-Cyl. Method	45/ea
(D4943) Shrinkage Factors of Soils, Wax Method	55/ea
(C131/C535/CT211) L.A. Abrasion Resistance	$200/ea
(C142/T112) Clay Lumps and Friable Particles	170/ea

SOIL AND AGGREGATE PROPERTIES (CONTD.)

(C123/T113) Light Weight Particles	245/ea
(D3744/CT229/T210) Durability Index Fine	165/ea
(D3744/CT229/T210) Durability Index Coarse	165/ea
(CT227) Cleanness Value	165/ea
(D4791) Flat & Elongated Particles	150/ea
(D693/CT205) Percent Crushed Particles	145/ea
(D5821) Percent. of Fractured Particles, Coarse Aggregate	140/ea
(C40/CT213/T21) Organic Impurities	75/ea
(C235) Soft Hardness (Scratch Hardness)	100/ea
(C88/CT214/T104) Sulfate Soundness	410/ea
(C1252/T304) Uncompact. Void Content, Fine Aggregate	150/ea
(C127/CT206/T85) Coarse Specific Gravity	125/ea
(C128/CT207/T84) Fine Specific Gravity	150/ea
(D854/CT209/T100) Specific Gravity of Soil	150/ea
(C29/CT212/T19) Unit Weight & Percent Voids	90/ea
(D2419/CT217/T176) Sand Equivalent	110/ea
(D4318/CT204/T89/T90) Plastic Index (Plastic/Liq. Limit)	200/ea
(D4318/CT204/T89) Liquid Limit	100/ea
(D4318/CT204/T90) Plastic Limit	100/ea
(C330) Spec. for Lightweight Aggregates, Struc. Concrete	Quote

SHEAR STRENGTH

(D2166) Unconfined Compression	$100/ea
(D3080/T236) Direct Shear (3 points)	325/set
(D3080/T236) Direct Shear Addtl. Points/ea. residual pass	100/ea
(D2850) Unconsolidated-Undrained Triaxial Shear	115/ea
(D2850) Unconsolidated-Undrained Triaxial Staged	160/ea
(D4767) Consolidated-Undrained Triaxial Shear	265/ea
(D4767) Consolidated-Undrained Triaxial Staged	340/ea
(EM1110) Consolidated-Drained Triaxial Shear	375/ea
(EM1110) Consolidated-Drained Triaxial Staged	480/ea

MASONRY

Concrete Block Test (Sets of 3 Required):

(C140) Unit Weight Moisture Content & Absorption	$195/ea
(C140) Moisture Content/Absorption (ea. addtl. specimen)	65/ea
(C140) Compression Test	195/ea
(C140) Compression Test (ea. addtl. specimen)	65/ea
(C426) Linear Drying Shrinkage	285/ea
(C109/UBC 21-16) Mortar Cylinder (2"x4")	30/ea
(C942) Grout Prism (3"x3"x6"), trimming included	35/ea

Masonry Prism (Assemblage):

(C1314) 8"x8"x16" – 8"x12"x16"	$200/ea
(C1314) 8"x16"x16" – 10"x12"x16"	225/ea
(C1314) 12"x12"x16" – 12"x16"x16"	250/ea
(C1314) Larger than 12"x16"x16"	Quote

LABORATORY TESTS* (CONTINUED)

High Strength Bolt, Nut, & Washer Tests:

(A325/A490) Tensile Test on Bolts	$100/ea
(A563) Proof Load Test on Nuts	100/ea
(A325/A490) Hardness Test on Bolts	50/ea
(A536) Hardness Test on Nuts	50/ea
(F436) Hardness Test on Washers	50/ea

Weld Specimen Tests:

(E164) Ultrasonic Examination	Quote
Machining & Prep of Test Specimen	Cost + 20%
(E381) Macrotech Test (3 Faces)	$355

ASPHALT TESTING

Asphalt Properties:

(D2726/CT308/T166) Bulk Spec. Grav. Compacted HMA	$100/ea
(D1560/CT366) Stabilometer Value (HVEEM)	200/ea
(D2041) Theoretical Max Specific Gravity	175/ea
(D5444) Sieve Analysis of Extracted Asphalt	215/ea
(D6307/CT382) Percent Asphalt, Ignition Method	150/ea
(D1188) Unit Weight of Asphalt Core	65/ea

MISCELLANEOUS TESTING SERVICES

Calibration of Hydraulic Ram:

100 Ton & Under	$200/ea
101 Tons – 200 Tons	300/ea

Use of Universal Testing Machine:

UTM with One Operator	$320/ea
Additional Technician	Regular Tech Rate

Spray Applied Fireproofing:

(E605/E736) Fireproofing Oven Dry Density/Thickness	$90/ea

Brick Test (Set of 5 Specimens):

(C67) 24-Hour Absorption, Cold Water	$225/set
(C67) 5-Hour Absorption, Boiling Water	$225/set
(C67) Compression Test or Modulus of Rupture	$255/set
(C67) Each Additional Specimen	45/ea

CONCRETE**

Mix Designs:

(ACI211/ACI214) Concrete Mix Design	$350/ea
(ACI211/ACI214) Review of Concrete Mix Design	350/ea
(C192) Concrete Trial Mix (includes equipment & labor)	495/ea

Concrete Properties:

(C39/CT521/T22) Comp. Strength, Concrete Cyl	$30/ea
(C42/CT521/T22) Comp. Strength, Concrete/Gunite Core	60/ea
(C78/CT523) Flex. Strength of 6"x6"x21" Concrete Beam	125/ea
(C174) Length Measuring of Drilled Cores	75/ea
(C1140) Shotcrete Panel-Coring & Testing (Set of 3)	290/set
(C1140) Shotcrete Panel (each addtl. specimen)	90/ea
(C496) Static Modulus of Elasticity	200/ea
(C496) Drying Shrinkage (Set of 3, up to 28 days)	395/set
(C642) Spec. Gravity, Absorp., Voids in Hardened Concrete	95/ea
(F1869) Vapor Emission Rate, Concrete Subfloor	50/ea

***2X Surcharge on rush turn-around for laboratory testing.**
****Fee applies for sample storage, testing, or disposal.**

1. Listed are typical charges for the services most frequently performed by Geocon. Prices for unlisted services as well as special quotations for programs involving volume work will be provided upon request. Laboratory test prices shown are for laboratory work only, and include reporting of routine results not calling for comments, recommendations or conclusions.

2. Sampling and testing is conducted in substantial conformance with the latest applicable or designated specifications of the American Society for Testing and Materials, Caltrans, American Association of State Highway and Transportation Officials, or other pertinent agencies.

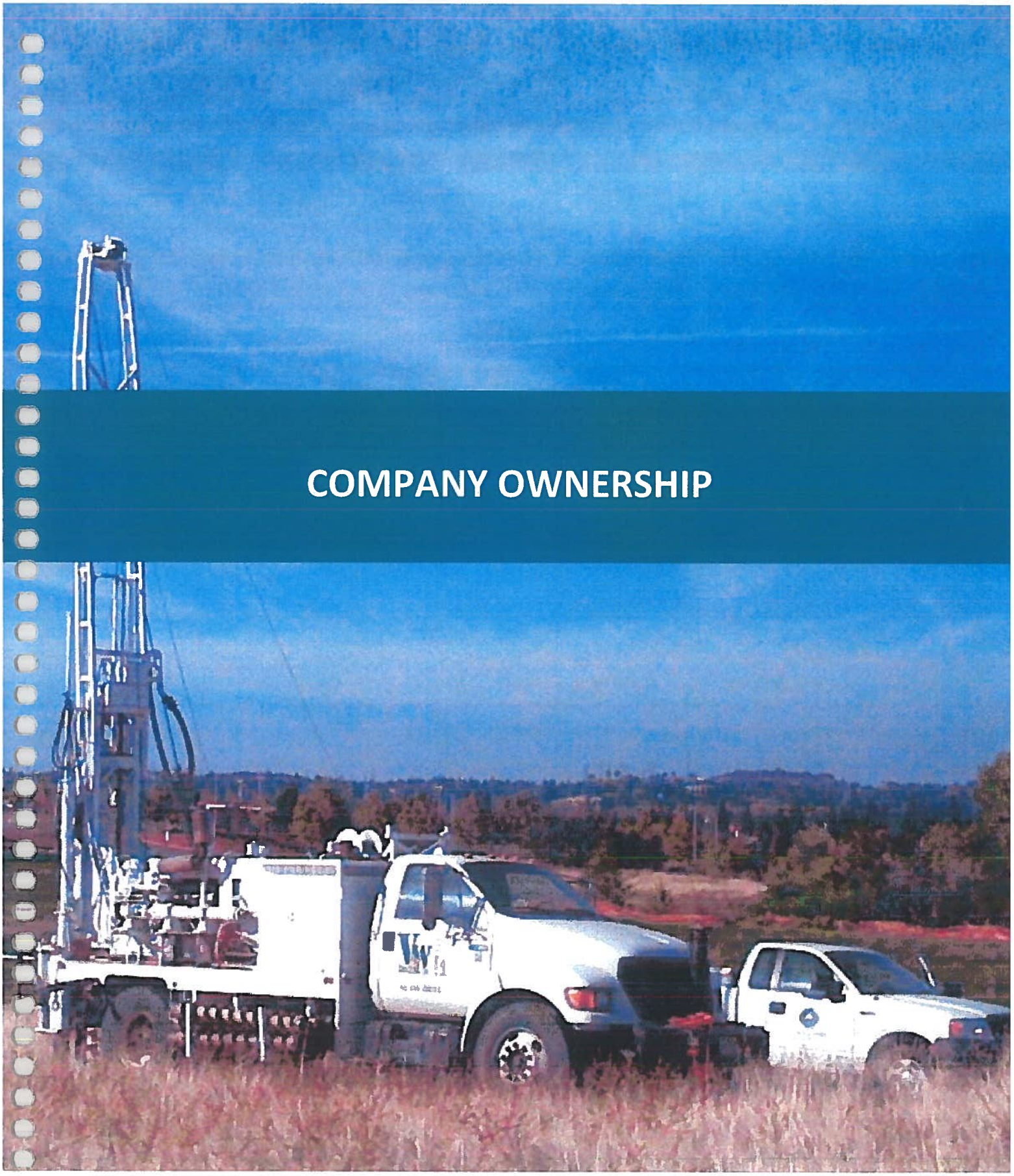
3. Saturday, night work, and overtime hours are charged at time and one-half; Sundays and holidays at double time. Per diem is $155.00 per day when location of work dictates.

4. Equipment and materials will be billed at cost plus 15%. Outside services including subcontractors and rental of special equipment are billed at cost plus 15%. Hourly services are billed portal to portal from closest office in accordance with the stated hourly rates herein, with a minimum two-hour charge.

5. Invoices will be submitted at four-week intervals. Terms of payment are met upon presentation of invoice. Invoices become delinquent thirty (30) days from invoice date and subject to one and one-half percent (1-1/2%) service charge per month, or the maximum rate allowed by law, whichever is lower. If Client objects to all or any portion of any invoice, Client will so notify Geocon in writing within fourteen (14) calendar days of the invoice date, identify the cause of disagreement, and pay that portion of the invoice not in dispute. The parties will immediately make every effort to settle the disputed portion of the invoice. Payment on delinquent invoices will first be applied to accrued interest and then to the principal amount. All time spent and expenses incurred (including any attorney's fees and costs) in connection with collection of any delinquent amount will be paid by Client to Geocon per Geocon's current fee schedule.

6. Client and Geocon shall allocate certain of the risks so that, to the fullest extent permitted by law, Geocon's (the term "Geocon" includes Geocon's partners, officers, directors, employees, agents, affiliates, subcontractors and subconsultants) total aggregate liability to Client *is limited to the greater of $50,000 or the total compensation received from Client by Geocon for services rendered on this project, for any and all of Client's injuries, damages, claims, losses, expenses, or claim expenses arising out of this Agreement from any cause or causes, including attorneys' fees and costs which may be awarded to the prevailing party, and Client agrees to indemnify and hold harmless Geocon from and against all liabilities in excess of the monetary limit established above.*

7. Client and Geocon shall allocate certain of the other risks so that, to the fullest extent permitted by law, Client shall limit Geocon's total aggregate liability to all third parties, including contractors, subcontractors of all tiers, materialmen, and others involved in Client's project, as well as persons and other entities not involved in the project, to *the greater of $100,000 or the total compensation received from Client by Geocon for services rendered on this project, for any and all injuries, damages, cause or causes, including attorneys' fees and costs which may be awarded to the prevailing party, and Client agrees to indemnify and hold harmless Geocon from and against all liabilities in excess of the monetary limit established above, including all liability incurred by Geocon for acts, errors, or omissions, pursuant to entering into agreements with third parties on behalf of Client in order to obtain access or entry onto property not owned by Client. Client agrees to notify all contractors and subcontractors of any limitation of Geocon's liability to them, and require them to abide by such limitation for damages suffered by any contractor or subcontractor arising from Geocon's actions or inactions. Neither the contractor nor any subcontractor assumes any liability for damages to others which may arise on account of Geocon's actions or inactions.*



COMPANY OWNERSHIP

GEOCON

COMPANY OWNERSHIP

Geocon West, Inc. (Geocon) is a California corporation established in 2003 as a professional engineering consulting firm providing comprehensive geotechnical, geologic, construction inspection, and environmental engineering and consulting services. In addition to these services, we also provide environmental remediation contracting (cleanup) services and operate soils and materials testing laboratories.

Geocon West, Inc. and its sister companies have nine regional offices that are located throughout California so that Geocon is well-positioned geographically to promptly, efficiently, and cost effectively service its clients' needs. We employ a staff of over 300 technically strong, highly motivated engineers, geologists, environmental scientists, technicians, and special inspectors. Our managing principals are practicing professional geologists or engineers who actively manage projects and assign and mentor technical staff. Each office is supported by state-of-the-art inventories of field equipment and instrumentation, comprehensive technical libraries, and modern data-management systems. Laboratory testing services are performed in an in-house soils and materials testing laboratory accredited by the American Association of State Highway and Transportation Officials (AASHTO), State of California Department of Transportation (Caltrans), Cement and Concrete Reference Laboratory (CCRL), Division of State Architect (DSA), and City of Los Angeles.

The average professional staff member has more than 10 years of experience at Geocon alone and has sufficient training and experience to respond to accelerated schedules without encountering procedural problems or sacrificing the quality of work products. Our friendly company culture promotes excellent working relationships with our clients, and many clients have said that we function much like their own employees: a direct extension of their team.

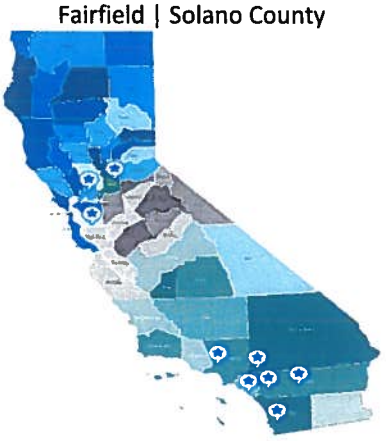
FIRM OVERVIEW

TYPES OF SERVICES

Geotechnical Engineering
Engineering Geology
Construction Inspection
Soils and Materials Testing Laboratory
Environmental Services

LOCATIONS

San Diego (HQ) | San Diego County
Burbank | Los Angeles County
Irvine | Orange County
Redlands | San Bernardino County
Murrieta | Riverside County
La Quinta | Coachella Valley
Rancho Cordova | Sacramento County
Livermore | Alameda County
Fairfield | Solano County



DIR NUMBER	YEAR FOUNDED	NUMBER OF EMPLOYEES
1000001899	1971	300+

Geocon is fully staffed and responsive in meeting the needs of individual clients. Our size is such that our trained professional, technical, and support staff are able to respond quickly to varying task requirements and multiple concurrent projects. This is achievable through Geocon's unique organizational structure that permits efficient, competent, professional services for every project irrespective of the size or complexity of the task. Associate level project review and oversight are provided for all projects.

SUB-CONSULTANTS

The services requested in this RFP are all normal services Geocon provides with in-house capabilities. We do not anticipate utilizing sub-consultants to provide the requested services. In the event that services are required beyond the specialized services we provide *in-house*, we propose to utilize the following subcontractors:

BC2 Environmental

Contact: Tracy Spilotro, Operations Manager
Address: 1150 West Trenton Avenue, Orange, CA 92867
PH| (714) 744-2990 FX| 714) 744-2991 E-mail| info@bc2env.com
Specialized Services Provided: **Vacuum Excavation**

Gold Construction Services, LLC

Contact: Tommy Robinson, Operations Manager
Address: 11557 Poema Place #102, Chatsworth, CA 91311
PH| (818) 960-4007 E-mail| gldconserv@gmail.com
Specialized Services Provided: **Hand Augering**

LaBelle Marvin

Contact: Thomas Williams, Laboratory Manager
Address: 2700 South Grand Avenue, Santa Ana, CA 92705
PH| (714) 546-3468 FX| (714) 546-5841 E-mail| info@labellemarvin.com
Specialized Services Provided: **Wet-Track Abrasion Testing**

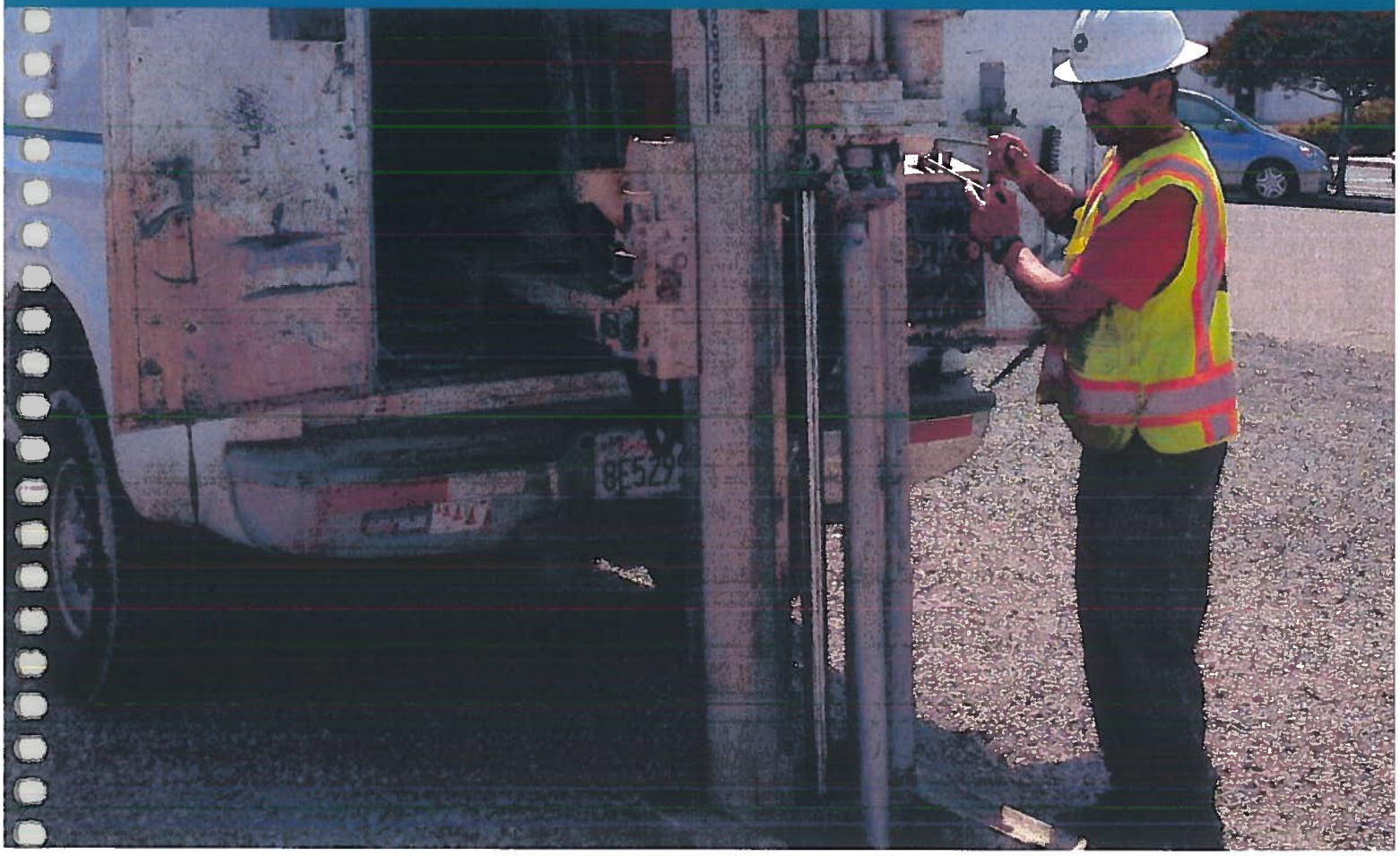
Martini Drilling Corporation

Contact: Darin Martini, Business Office Manager
Address: 12141 Mariners Way, Garden Grove, CA 92843
PH| (714) 715-2715 FX| (714) 373-6322 E-mail| martinidrilling@yahoo.com
Specialized Services Provided: **Geotechnical and Environmental Drilling**

Traffic Management, Inc.

Contact: Margaret Medina, Sr. Contract Administrator
Address: 4900 Airport Plaza Dr Ste 300, Long Beach CA, 90815
PH| (562) 264-2380 FX| (652) 424-0266
E-mail| Margaret.medina@trafficmanagement.com
Specialized Services Provided: **Traffic Management**

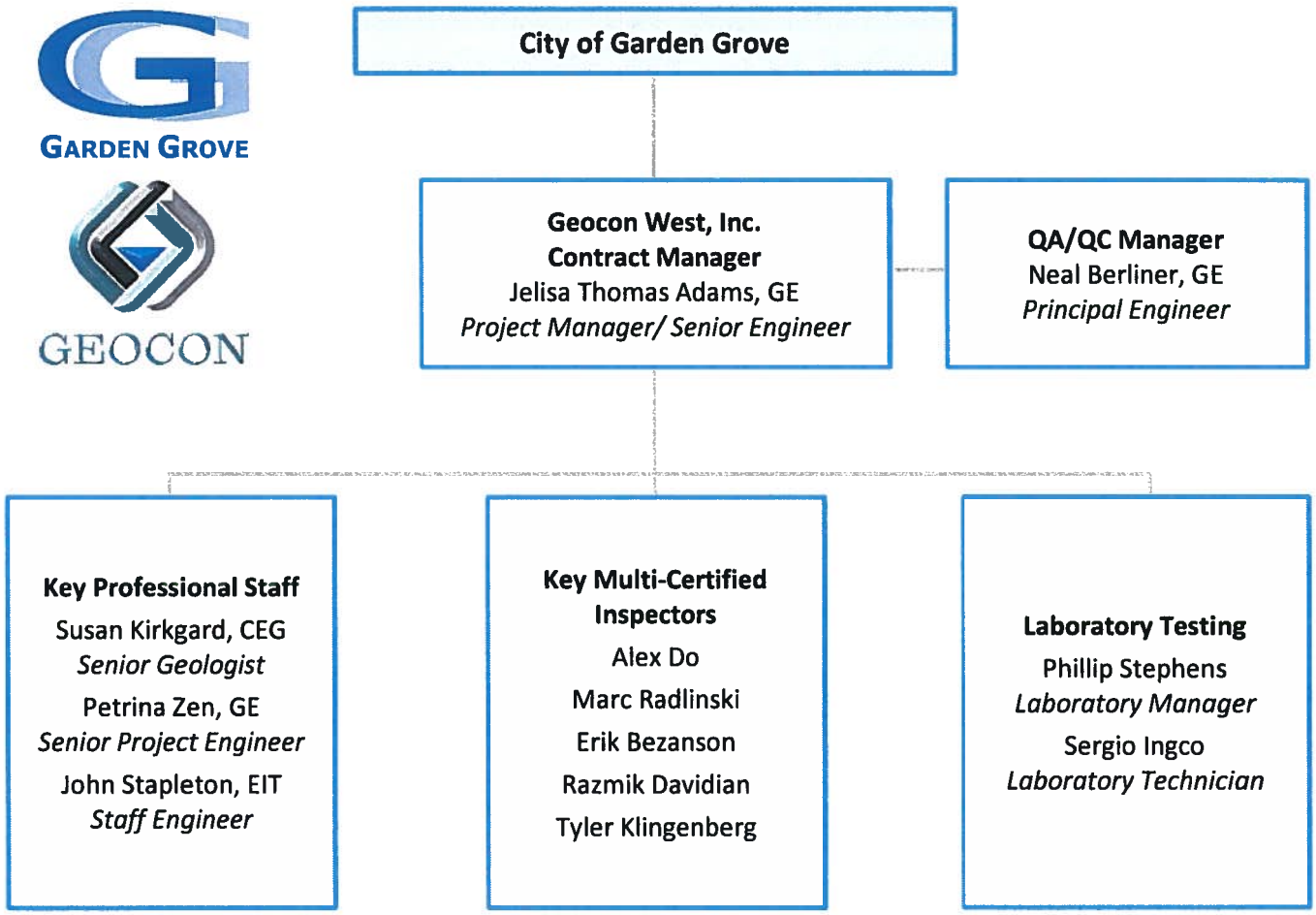
PROJECT ORGANIZATION AND STAFFING



GEOCON

PROJECT ORGANIZATION AND STAFFING

An organizational chart is provided below to identify Geocon's proposed team, responsibilities of each team member, and team member availability for prospective City of Garden Grove projects.



RESUMES

JELISA THOMAS ADAMS, GE

CONTRACT MANAGER | SENIOR ENGINEER

Ms. Thomas Adams has more than 16 years of experience performing and managing geotechnical investigations throughout the Orange County, Los Angeles, San Diego, and San Bernardino areas. Her experience encompasses a wide range of projects including public infrastructure, city and state facilities, commercial and residential developments, educational institutions, multi-story structures with subterranean parking levels, seismic upgrades and retrofits, and the installation and monitoring of geotechnical instrumentation. As a senior engineer, Ms. Thomas Adams is responsible for the coordination and execution of field exploration programs, assignment of laboratory testing, review and interpretation of test results, engineering analysis, the evaluation of stormwater infiltration rates, and the preparation of technical reports and letters. Recent experience includes:

EXPERIENCE
16 years

EDUCATION
- BS, Structural Engineering, University of California, San Diego

REGISTRATIONS
- CA: Geotechnical Engineer, No. 3092
- CA: Professional Engineer, Civil, No. 74946

CERTIFICATIONS
- Geokon Certified Instrument Installer
- Radiation Safety Officer
- Nuclear Density Gauge
- OSHA 40-Hour
- OSHA 8-Hour Refresher

ORGANIZATIONS
- ASCE
- ASFE

CITY OF GARDEN GROVE PUBLIC WORKS DEPARTMENT, ON-CALL GEOTECHNICAL SERVICES CONTRACT, GARDEN GROVE, CALIFORNIA

Ms. Adams manages Geocon's on-call geotechnical, materials testing and inspection services contract with the City of Garden Grove. She provides quality control over all geotechnical reports, construction inspection services, and provides team management. Geocon has completed numerous pavement restoration projects including arterial streets, residential roads, storm drains, and a variety of public improvement projects.

CITY OF NEWPORT BEACH DEPARTMENT OF PUBLIC WORKS, ON-CALL GEOTECHNICAL ENGINEERING, MATERIALS TESTING, & INSPECTION SERVICES CONTRACT, NEWPORT BEACH, CALIFORNIA

Ms. Adams manages Geocon's on-call geotechnical, materials testing and inspection services contract with the City of Newport Beach. She provides quality control over all geotechnical reports, construction inspection services, and laboratory testing results. Geocon has completed investigations pavement restoration projects and miscellaneous public improvement repair and has provided geotechnical and materials inspection and testing services for asphalt pavement and concrete placement.

CITY OF ANAHEIM, RESIDENTIAL STREET IMPROVEMENTS PROJECT, ANAHEIM, CALIFORNIA

Geocon is currently providing as-needed geotechnical, material testing, and inspection services during construction of pavement improvements in the Willowbrook and Riverdale neighborhoods in Anaheim as part of our on-call contract with the City. The project entails approximately 1,312,000 square feet of grind and overlay and 1,035,000 square feet of slurry seal. Ms. Adams serves as the project manager and provides quality control over all geotechnical reports, construction inspection services, and provides team management.

CITY OF SAN JUAN CAPISTRANO – ON-CALL GEOTECHNICAL REVIEW/DESIGN & MATERIALS TESTING SERVICES, SAN JUAN CAPISTRANO, CALIFORNIA

Geocon currently holds a two-year on-call contract with the City of San Juan Capistrano for Geotechnical Review/Design and Materials Testing Services. Ms. Adams serves as Geocon's Contract Manager and main point-of-contact with the City. Geocon has provided third-party geotechnical reviews for the Compass Energy Storage project, new apartments, and new single residencies.

NEAL BERLINER, GE

QA/QC MANAGER | PRINCIPAL ENGINEER

As President of Geocon West, Mr. Berliner is responsible for the management of Geocon's technical practice in the greater Los Angeles area, including the San Bernardino County, Orange County, and Riverside County areas. Mr. Berliner has an expertise on projects requiring deep excavation/ shoring and mitigation of groundwater, as well as projects that require drilled and driven piles, micro-piles, stone columns, cement/lime stabilization, soil nails, compaction grouting, underpinning, and ground mitigation. He manages large on-call contracts involving both geotechnical design and special inspections services and has the reputation for providing creative geotechnical solutions as well as maintaining outstanding service for projects with critical schedules and budgets. His experience managing on-call contracts with local municipalities includes:

EXPERIENCE
30 years

EDUCATION
- BS, Civil Engineering, San Diego State University

REGISTRATIONS
- CA: Geotechnical Engineer, No. 2576
- CA: Professional Engineer, Civil, No. 57123

CERTIFICATIONS
- Radiation Safety Officer
- Nuclear Density Gauge

ORGANIZATIONS
- CalGeo

KB HOME COASTAL, INC., ROADWAY IMPROVEMENTS, STATE COLLEGE BOULEVARD, ANAHEIM, CALIFORNIA

The project consisted of the replacement of the existing roadway paving section with a new paving section along the very busy State College Boulevard, north of the Orangewood Avenue intersection. R-value testing of the subgrade soil was performed and a new paving section was formulated based on the traffic indices required by the City of Anaheim. Mr. Berliner provided engineering analysis and design recommendations for the roadway section and technical oversight throughout construction.

CITY OF PASADENA DEPARTMENT OF PUBLIC WORKS, ON-CALL SOILS & MATERIALS TESTING SERVICES CONTRACT, PASADENA, CALIFORNIA

Mr. Berliner is the Contract Manager and primary point of contact for the City of Pasadena Department of Public Works On-Call Geotechnical Engineering, Materials Testing, and Inspection Services contract. Geocon has provided services on Arroyo/Rose Bowl Drive, Preventative Maintenance of Streets, Green Street and Fair Oaks Avenue, Arroyo and Linda Vista, La Pintoresca Library, roadwork on Walnut Street between Daisy and Sunnyslope, East Side Storm Drain from Belvidere to Mountain Street, roadwork on the corner of Fair Oaks and California, slope failure at 1175 North Arroyo Boulevard, and a storm drain break at East Del Mar Boulevard west of Allen Avenue. Mr. Berliner provides quality control over all technical documents and field activities.

CITY OF SIMI VALLEY & VENTURA COUNTY WATERWORKS DISTRICT NO. 8, ANNUAL PROFESSIONAL PAVEMENT ENGINEERING, MATERIALS TESTING & INSPECTION SERVICES CONTRACT, SIMI VALLEY, CALIFORNIA

Geocon provided on-call pavement engineering, materials testing, and inspection services under a two-year on-call agreement. Mr. Berliner was responsible for all geotechnical, deputy and special inspection services and provided quality control over pavement engineering services. Geocon provided inspection and testing services for Madera Road Widening from Country Club Drive west to Wood Ranch Parkway and rewrote the City of Simi Valley's Quality Assurance Program.

CITY OF LOS ANGELES BUREAU OF ENGINEERING, ON-CALL GEOTECHNICAL & ENVIRONMENTAL CONSULTANT LIST, LOS ANGELES, CALIFORNIA

Mr. Berliner manages Geocon's on-call geotechnical and environmental services contract with the City of Los Angeles. He provides quality control over all geotechnical reports, construction inspection services, and laboratory testing results. Geocon has completed investigations for 1st and Broadway Civic Center Park, Channel 35 Television Studio and Office Relocation, Venice Beach/Rose Avenue Restroom Replacement, Whitsett Park Soccer Fields Complex, and North Outfall Sewer Rehabilitation Unit No. 18.

PETRINA ZEN, GE

SENIOR PROJECT ENGINEER

Ms. Zen was an engineering intern from California State Polytechnic University, Pomona, and was brought on board because of her understanding of geotechnical engineering practices and quick learning capabilities. She has been with Geocon for 9 years and is responsible for aspects of projects including coordination and execution of field explorations, assignment of laboratory testing, review and interpretation of laboratory testing results, engineering analysis, the evaluation of stormwater infiltration rates, and the preparation of technical reports and letters in Los Angeles and Orange County. Her experience includes city and state facilities, commercial and residential developments, educational institutions, and multi-story structures with subterranean parking levels. Ms. Zen also performs geotechnical inspection and testing services during construction. Her recent experience includes:

EXPERIENCE
9 years

EDUCATION
- BS, Civil Engineering, California State Polytechnic University, Pomona

REGISTRATIONS
- CA: Geotechnical Engineer, No. 3217
- CA: Professional Engineer, Civil, No. 87489

CERTIFICATIONS
- Nuclear Density Gauge

ORGANIZATIONS
- American Society of Civil Engineers
- Cal Geo

CITY OF NEWPORT BEACH DEPARTMENT OF PUBLIC WORKS, ON-CALL GEOTECHNICAL ENGINEERING, MATERIALS TESTING, & INSPECTION SERVICES CONTRACT, NEWPORT BEACH, CALIFORNIA

Ms. Zen served as a Project Engineer for the 2019-2020 Slurry Seal Program under Geocon's on-call geotechnical, materials testing and inspection services contract with the City of Newport Beach. Geocon performed sampling and testing in general conformance with the Green Book specifications, current American Society for Testing and Materials (ASTM) methodology and/or other applicable procedures. Samples were tested for Wet Track Abrasion, Slurry Emulsion Oil Content, and Slurry Aggregate Gradation. Geocon performed various test on multiple streets throughout the City of Newport Beach in order to improve roadway conditions throughout the City.

CITY OF SAN JUAN CAPISTRANO – ON-CALL GEOTECHNICAL REVIEW/DESIGN & MATERIALS TESTING SERVICES, SAN JUAN CAPISTRANO, CALIFORNIA

Ms. Zen serves as Project Engineer for Geocon's current two-year on-call contract with the City of San Juan Capistrano for Geotechnical Review/Design and Materials Testing Services. Geocon has provided third-party geotechnical reviews for the Compass Energy Storage project, new apartments, and new single residencies.

ORANGE COUNTY FIRE AUTHORITY TRAINING TOWER, IRVINE, CALIFORNIA

Geocon provided a geoenvironmental investigation for the Orange County Fire Authority Training Tower under our On-Call contract. The site was previously occupied by two campuses; one consisted of a trench rescue operation training station, and the other campus consisted of an unpaved parking and storage area. The proposed project site was improved with a three-story training tower, a new roof rescue training station, two shipping containing training structures, an 18-foot-tall splash wall training prop, and two single-story modular structures with associated toilet room and shower. Ms. Zen provided report and letter review for the project.

COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS, ON-CALL GEOTECHNICAL ENGINEERING, MATERIALS TESTING, & INSPECTION SERVICES CONTRACTS, LOS ANGELES COUNTY, CALIFORNIA

Ms. Zen has provided geotechnical engineering services on Geocon's most recent as-needed contract for geotechnical engineering, materials testing, and inspection services. As a Project Engineer, Ms. Zen is responsible for the coordination and execution of field exploration programs, laboratory testing, assistance in preparing geotechnical reports, and geotechnical observation and testing services during construction. Ms. Zen has provided services for the Olive View Medical Center, Lennox Library, LA River North Valleyhart Project, Camp Glen Rocky Modular Unit, and the Camp Kilpatrick Replacement Project.

SUSAN KIRKGARD, CEG

SENIOR GEOLOGIST

Ms. Kirkgard has more than 34 years of experience as an engineering geologist. She has led comprehensive geologic investigations in rural and urban environments for transmission line and pipeline alignments, transportation corridors, sewage conveyance tunnels, transportation tunnels, cut and cover utility trenches, power plants, water treatment plants, emergency operations centers, hospitals, schools and other critical structures. Ms. Kirkgard's technical experience includes characterizing geologic and seismic conditions; groundwater, dewatering, and percolation studies; geologic-seismic hazard evaluations; slope stability investigations; fault rupture hazard evaluations; forensic investigations; site acquisition and land use feasibility studies; geotechnical input for environmental impact reports; master planning studies; geologic observation of deep excavations; geologic mapping during grading; and third-party peer review services. Her relevant experience includes:

EXPERIENCE
34 years

EDUCATION
- BS, Geology, California State University, Los Angeles
- Post-Graduate Studies, Geohydrology, Paleoseismicity, Engineering Geology

REGISTRATIONS
- CA: Certified Engineering Geologist, No. 1754
- CA: Professional Geologist, No. 5378

CERTIFICATIONS
- OSHA 40-Hour
- OSHA 8-Hour Refresher
- Los Angeles Refinery Safety Overview

ORGANIZATIONS
- Association of Engineering Geologists

CITY OF NEWPORT BEACH DEPARTMENT OF PUBLIC WORKS, ON-CALL GEOTECHNICAL ENGINEERING, MATERIALS TESTING, & INSPECTION SERVICES CONTRACT, NEWPORT BEACH, CALIFORNIA

Ms. Kirkgard serves as Senior Geologist under Geocon's on-call geotechnical, materials testing and inspection services contract with the City of Newport Beach. Geocon has completed investigations pavement restoration projects and miscellaneous public improvement repair and has provided geotechnical and materials inspection and testing services for asphalt pavement and concrete placement. Geocon performs sampling and testing in general conformance with the Green Book specifications, current American Society for Testing and Materials (ASTM) methodology and/or other applicable procedures.

CITY OF SAN JUAN CAPISTRANO – ON-CALL GEOTECHNICAL REVIEW/DESIGN & MATERIALS TESTING SERVICES, SAN JUAN CAPISTRANO, CALIFORNIA

Geocon currently holds a two-year on-call contract with the City of San Juan Capistrano for Geotechnical Review/Design and Materials Testing Services. Geocon has provided third-party geotechnical reviews for the Compass Energy Storage project, new apartments, and new single residencies. Ms. Kirkgard serves as Geocon's senior geologist and has provided peer reviews for projects under this contract.

COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS, ON-CALL GEOTECHNICAL ENGINEERING, MATERIALS TESTING, & INSPECTION SERVICES CONTRACTS, LOS ANGELES COUNTY, CALIFORNIA

Ms. Kirkgard has provided geologic consulting services on Geocon's most recent as-needed geotechnical engineering, materials testing, and inspection contract with the Department of Public Works. Ms. Kirkgard was the lead geologist for a limited geotechnical investigation for a proposed hillside access road east of the existing Sybil Brand Institute for Women. She performed the geologic studies, performed slope stability analysis, and provided recommendations for temporary and permanent stability. In addition, Ms. Kirkgard was the lead geologist for a geotechnical investigation performed for the mitigation of high concentrations of surface gas at the Cogen Landfill. Her responsibilities included assessing the historic and current gas levels by reviewing previous environmental and geologic data and developing an exploration program to characterize the underlying geologic conditions and delineate the specific subsurface zones of high concentration methane and, ultimately, provide several options to mitigate hazardous gas emissions.

JOHN STAPLETON, EIT

STAFF ENGINEER

Mr. Stapleton has 6 years of experience as a staff engineer and engineering intern in Orange County. His experience includes geotechnical investigations and geotechnical inspection and testing services for various public works projects, educational institutions, residential and mixed-use developments, and public infrastructure projects. Mr. Stapleton is responsible for the execution of field exploration programs, laboratory testing, assistance in preparing geotechnical reports, and geotechnical observation and testing services during construction. He also has experience in multiple software applications including DesignCAD, spreadsheet design, and word processing. His recent experience includes:

EXPERIENCE
6 years

EDUCATION
- BS, Civil Engineering, California State University, Fullerton

REGISTRATIONS
- CA: Professional Engineer-In-Training, Civil

CERTIFICATIONS
- Nuclear Density Gauge
- City of Irvine Asphalt

CITY OF GARDEN GROVE PUBLIC WORKS DEPARTMENT, ON-CALL GEOTECHNICAL SERVICES CONTRACT, GARDEN GROVE, CALIFORNIA

Geocon is currently contracted to perform on-call geotechnical, materials testing and inspection services contract for the City of Garden Grove. Geocon has completed numerous pavement restoration projects including arterial streets, residential roads, storm drains, and a variety of public improvement projects. As a staff engineer, Mr. Stapleton performed geotechnical inspection and testing services during the placement of base and asphalt concrete for street improvements.

CITY OF NEWPORT BEACH DEPARTMENT OF PUBLIC WORKS, ON-CALL GEOTECHNICAL ENGINEERING, MATERIALS TESTING, & INSPECTION SERVICES CONTRACT, NEWPORT BEACH, CALIFORNIA

Geocon is currently contracted with the City of Newport Beach to perform on-call geotechnical testing and materials services. As a staff engineer, Mr. Stapleton performed geotechnical inspection and testing services during the placement of base and asphalt concrete for street improvements for the Arterial Highway Repair Program and Balboa Island Coping Repair. Mr. Stapleton also led the field exploration and authored the geotechnical report for the Fire Station.

CITY OF GARDEN GROVE, ACACIA AVENUE-JOSEPHINE STREET STORM DRAIN, GARDEN GROVE, CALIFORNIA

Geocon performed utility potholing services on Acacia Avenue and Josephine Street with the goal to fill the cracks and separations of asphaltic pavement for the street improvement project in the City of Garden Grove. We exposed utilities along the alignment of the proposed storm drain line, backfilled the excavations with soils, and restored the ground with asphalt/concrete patches. Geocon matched the existing AC thickness to that of surrounding streets upon completion of the storm drain. As the staff engineer, Mr. Stapleton was responsible for drilling and digging sampling activities, figure and table preparation, letter and final report preparation, utility mark-out, and the work plan preparation.

IRVINE RANCH WATER DISTRICT, UNIVERSITY DRIVE WIDENING APPURTENANCE RELOCATIONS, IRVINE, CALIFORNIA

Geocon provided geotechnical observation and testing services during the backfill of water utility trenches during the University Drive Widening Appurtenance Relocations in Irvine, California for the Irvine Ranch Water District. Mr. Stapleton provided testing and observation of utility trenches.

ORANGE COUNTY FIRE AUTHORITY TRAINING TOWER, IRVINE, CALIFORNIA

Geocon provided a geoenvironmental investigation for the Orange County Fire Authority Training Tower under our On-Call contract. The site was previously occupied by two campuses; one consisted of a trench rescue operation training station, and the other campus consisted of an unpaved parking and storage area. The proposed project site was improved with a three-story training tower, a new roof rescue training station, two shipping containing training structures, an 18-foot-tall splash wall training prop, and two single-story modular structures with associated toilet room and shower. Mr. Stapleton performed drilling, digging, and sampling; engineering calculations; percolation testing; laboratory assignments; and report preparation.

PHILLIP STEPHENS

LABORATORY MANAGER

Mr. Phillip Stephens has 11 years of experience performing quality assurance testing in the lab and in the field. He is experienced calibrating lab and field equipment, overseeing training and evaluating the performance of technicians, and maintaining laboratory accreditations from AASHTO, AMRL, CCRL, Caltrans, DSA, and OSHPD. Other laboratory experience includes testing of structural steel, tensile and proof load testing, tensile and bend testing of rebar, strain/tensile testing of uncoated seven-wire for pre-stressed concrete, compression testing of masonry and masonry prisms, and testing of masonry block absorption and linear shrinkage. In addition, Mr. Stephens is experienced performing field testing of concrete, locating rebar, pull testing epoxy installed rebar/all thread, determining the moisture vapor emission rate of concrete and the rebound number of hardened concrete, and testing of spray-applied fireproofing materials. Project experience involving laboratory testing and laboratory supervision is listed below:

EXPERIENCE

11 years

CERTIFICATIONS

- ACI Strength Testing of Concrete
- ACI Field Testing of Concrete
- ACI Base Testing
- ACI Aggregates 1 & 2
- ACI Laboratory 1 & 2
- CT: 105, 125, 201, 202, 205, 226, 227, 229, 504, 518, 539, 540, 543, 521, 523, 533, 556, 557

CITY OF GARDEN GROVE PUBLIC WORKS DEPARTMENT, ON-CALL GEOTECHNICAL SERVICES CONTRACT, GARDEN GROVE, CALIFORNIA

Geocon is currently contracted to perform on-call geotechnical, materials testing and inspection services contract for the City of Garden Grove. Geocon has completed numerous pavement restoration projects including arterial streets, residential roads, storm drains, and a variety of public improvement projects. Mr. Stephens supervises the performance of various laboratory tests on soil and materials samples during the design and construction phases of projects.

CITY OF NEWPORT BEACH DEPARTMENT OF PUBLIC WORKS, ON-CALL GEOTECHNICAL ENGINEERING, MATERIALS TESTING, & INSPECTION SERVICES, NEWPORT BEACH, CALIFORNIA

Mr. Stephens provided laboratory testing for the 2019-2020 Slurry Seal Program under our on-call contract with the City of Newport Beach. Geocon performed sampling and testing in general conformance with the Green Book specifications, current American Society for Testing and Materials (ASTM) methodology and/or other applicable procedures. Samples were tested for Wet Track Abrasion, Slurry Emulsion Oil Content, and Slurry Aggregate Gradation. Geocon performed various test on multiple streets throughout the City of Newport Beach in order to improve roadway conditions throughout the City.

ORANGE COUNTY FIRE AUTHORITY TRAINING TOWER, IRVINE, CALIFORNIA

Geocon provided a geoenvironmental investigation for the Orange County Fire Authority Training Tower under our On-Call contract. The site was previously occupied by two campuses; one consisted of a trench rescue operation training station, and the other campus consisted of an unpaved parking and storage area. The proposed project site was improved with a three-story training tower, a new roof rescue training station, two shipping containing training structures, an 18-foot-tall splash wall training prop, and two single-story modular structures with associated toilet room and shower. Mr. Stephens supervised the performance of various laboratory tests on samples for our investigation.

SERGIO INGCO

LABORATORY TECHNICIAN

Mr. Ingco is a hard-working and intelligent individual with a broad skill set and natural leadership skills. He pays great attention to detail and has a strong work ethic. Mr. Ingco performs soils and concrete testing services both in the lab and in the field. He is Caltrans-certified for both soils and concrete testing services and provides field support for paving-related projects. In addition, Mr. Ingo is responsible for performing laboratory tests on soils and concrete samples brought into the lab including Proctor, Moisture Density, Direct Shear, Consolidation, Compressive Strength, and various Caltrans tests methods. Mr. Ingco keeps the laboratory organized and ensures that all test equipment is functioning properly, maintained as required by Geocon and the manufacturer's policy, and calibrated properly. Some of Mr. Ingco's experience includes:

EXPERIENCE
8 years

EDUCATION
- BA, Public Health Education, California State University, Northridge, 2010

CERTIFICATIONS
- Nuclear Density Gauge
- ACI Aggregate Testing Technician, Level I
- ACI Concrete Testing Technician, Level I
- ACI Concrete Strength Testing Technician
- ACI Concrete Laboratory Testing Technician, Level I
- CT: 105, 201, 106, 125, 202, 204, 206, 216, 217, 226, 227, 229, 231, 375, 504, 518, 521, 533, 539, 540, 556, 557

CITY OF GARDEN GROVE PUBLIC WORKS DEPARTMENT, ON-CALL GEOTECHNICAL SERVICES CONTRACT, GARDEN GROVE, CALIFORNIA

Geocon is currently providing on-call geotechnical, materials testing and inspection services contract with the City of Garden Grove. Geocon has completed numerous pavement restoration projects including arterial streets, residential roads, storm drains, and a variety of public improvement projects. Mr. Ingco performs required laboratory testing services for soil samples for geotechnical investigations, and materials testing for projects in construction.

CITY OF NEWPORT BEACH DEPARTMENT OF PUBLIC WORKS, ON-CALL GEOTECHNICAL ENGINEERING, MATERIALS TESTING & INSPECTION CONTRACT, NEWPORT BEACH, CALIFORNIA

Geocon is currently performing on-call geotechnical, materials testing and inspection services contract with the City of Newport Beach. Geocon has completed investigations pavement restoration projects and miscellaneous public improvement repair and has provided geotechnical and materials inspection and testing services for asphalt pavement and concrete placement. Mr. Ingo is responsible for performing laboratory tests on soil and materials samples in accordance with both Greenbook and Caltrans guidelines, depending on project requirements, and performs batch plant inspections, and testing in the field in accordance with Caltrans testing procedures.

ORANGE COUNTY FIRE AUTHORITY TRAINING TOWER, IRVINE, CALIFORNIA

Geocon provided a geoenvironmental investigation for the Orange County Fire Authority Training Tower under our On-Call contract. The site was previously occupied by two campuses; one consisted of a trench rescue operation training station, and the other campus consisted of an unpaved parking and storage area. The proposed project site was improved with a three-story training tower, a new roof rescue training station, two shipping containing training structures, an 18-foot-tall splash wall training prop, and two single-story modular structures with associated toilet room and shower. Mr. Ingco performed laboratory tests on samples for our investigation.

CITY OF PASADENA DEPARTMENT OF PUBLIC WORKS, ON-CALL SOILS & MATERIALS TESTING SERVICES CONTRACT, PASADENA, CALIFORNIA

Geocon is currently performing on-call geotechnical and materials testing services for various roadways and other Public Works projects. Mr. Ingco is responsible for performing laboratory tests on soil and materials samples in accordance with both Greenbook and Caltrans guidelines, depending on project requirements, and performs batch plant inspections, and testing in the field in accordance with Caltrans testing procedures.

ALEX DO

SPECIAL INSPECTOR

Mr. Do is a primary inspector with eight years of experience performing materials testing services for reinforced and post-tensioned concrete, wood and masonry construction, spray-applied fireproofing, structural steel and bolting, epoxy anchors, and rebar on a variety of public and private sector projects. Mr. Do is proactive communicating with project teams and maintains regular interaction with team members regarding conformance to standards, plans, project specifications, and codes. His experience includes:

EXPERIENCE
8 years

CERTIFICATIONS
- City of Irvine Special Inspector
- ICC Structural Masonry
- ICC Structural Steel & Bolting
- ICC Structural Welding
- ICC Reinforced Concrete
- ICC Pre-stressed Concrete
- ICC Spray-Applied Fireproofing
- ACI Grade I Concrete Testing Field Technician
- Nuclear Density Gauge
- General Contractor License (B, C-5 & C-15)

CITY OF NEWPORT BEACH DEPARTMENT OF PUBLIC WORKS, ON-CALL GEOTECHNICAL ENGINEERING, MATERIALS TESTING, & INSPECTION SERVICES CONTRACT, NEWPORT BEACH, CALIFORNIA

Geocon currently provides geotechnical, materials testing and inspection services for the City of Newport Beach. Investigations for pavement restoration projects and miscellaneous public improvement repairs were completed and geotechnical and materials inspection and testing services were provided for asphalt pavement and concrete placement. Mr. Do performs geotechnical inspection and testing services for these projects.

COUNTY OF ORANGE, OC JUVENILE HALL MULTIPURPOSE REHABILITATION CENTER (MRC), ORANGE, CALIFORNIA

Mr. Do worked as Geocon's inspector during the observation and testing services for the new Orange County Juvenile Hall Multipurpose Rehabilitation Center in the City of Orange, California. Mr. Do provided sample importing; testing and observation of the grading, epoxy anchors and rebars, utility trenches, placement of subgrade and asphalt concrete, the building pad, wall backfill, and sidewalks and curbs including the grout; inspection of wood, rebar, masonry, foundation, and bolting; in addition to waterproofing and various stress tests.

CITY OF NEWPORT BEACH, FIRE STATION NO. 2 REPLACEMENT, NEWPORT BEACH, CALIFORNIA

The City of Newport Beach is replacing the Lido Fire Station No. 2 on 32nd Street — built in 1953 – and replacing it with a new structure on the corner of 28th Street and Newport Boulevard. Instead of demolishing the current station and building a new structure on site, the City purchased a 17,693-square-foot property at 2807 Newport Boulevard and decided to keep the Lido Station operable in the interim. The new location is larger and will provide better access to more residential areas than the old station. Mr. Do provided observation of concrete-grout pouring and creation, and rebar inspection.

CITY OF NEWPORT BEACH, ANNUAL CONCRETE REPLACEMENT, NEWPORT BEACH, CALIFORNIA

Through our on-call contract, Geocon provided testing and inspection services for the Annual Concrete Replacement Program for the City of Newport Beach. The project consisted of the removal and replacement of sidewalk, curb and gutter, and driveway entries at various locations. Mr. Do performed as Geocon's inspector and provided observation of rebar placement.

CITY OF PASADENA, EATON-BLANCHE PARK RESTROOM, PASADENA, CALIFORNIA

Geocon provided as-needed geotechnical, deputy, and special inspection and testing services during grading and construction of the Eaton-Blanche Park Restroom in Pasadena, California. The Eaton-Blanche Park boasts two lighted tennis courts; one softball diamond; one lighted basketball court; open grass area; playground equipment; 9 picnic tables; parking lot; and rose garden. As an inspector, Mr. Do performed testing and observation of the subgrade and building pad and performed foundation observations.

MARC J RADLINSKI

SPECIAL INSPECTOR

Mr. Radlinski has 52 years of experience in the construction industry and has been certified to perform concrete and masonry inspections since 2009. He has performed inspection and testing services for a multitude of residential, commercial, and industrial developments. He reviews and interprets plans, blueprints, site layouts, specifications, and construction methods to ensure compliance with project plans, specifications, and safety requirements. Mr. Radlinski is an effective communicator and is proactive at solving problems on the jobsite. Some of his experience includes:

EXPERIENCE
52 years

CERTIFICATIONS
- ICC Reinforced Concrete
- ICC Structural Masonry
- ACI Grade I Concrete Testing Field Technician
- ACI Concrete Strength Testing Technician
- City of San Diego Special Inspector
- OSHA 10-Hour Construction Safety Course
- First Aid/CPR/AED & Bloodborne Pathogens

CITY OF GARDEN GROVE PUBLIC WORKS DEPARTMENT, ON-CALL GEOTECHNICAL SERVICES CONTRACT, GARDEN GROVE, CALIFORNIA

Geocon is currently contracted to perform on-call geotechnical, materials testing and inspection services contract for the City of Garden Grove. Geocon has completed numerous pavement restoration projects including arterial streets, residential roads, storm drains, and a variety of public improvement projects. Mr. Radlinski served as special inspector for the duration of this project.

CITY OF NEWPORT BEACH DEPARTMENT OF PUBLIC WORKS, ON-CALL GEOTECHNICAL ENGINEERING, MATERIALS TESTING, & INSPECTION SERVICES CONTRACT, NEWPORT BEACH, CALIFORNIA

Geocon currently provides geotechnical, materials testing and inspection services for the City of Newport Beach. Investigations for pavement restoration projects and miscellaneous public improvement repairs were completed and geotechnical and materials inspection and testing services were provided for asphalt pavement and concrete placement. Mr. Radlinski performed special inspection services for these projects.

IRVINE RANCH WATER DISTRICT, UNIVERSITY DRIVE WIDENING APPURTENANCE RELOCATIONS, IRVINE, CALIFORNIA

Geocon provided geotechnical observation and testing services during the backfill of water utility trenches during the University Drive Widening Appurtenance Relocations in Irvine, California for the Irvine Ranch Water District. The project included a portion of University Drive located between MacArthur Boulevard and Campus Drive. Construction included removal and relocation of existing service backflow preventers, vaults, fire hydrants, blowoffs/bottom drains, cathodic test stations, airvacs, a 16-inch CML&C pipe, and water services; main line valve installation/replacement; installation of reinforced concrete pad over 16-inch pipe; and adjusting valve cans and sewer manholes to grade. Mr. Radlinski performed soil sampling and testing and observation of utility trenches.

CITY OF EASTVALE, EASTVALE FIRE STATION NO. 2, EASTVALE, CALIFORNIA

Geocon performed geotechnical observation and testing, special inspection, and materials testing services for the construction of the Eastvale Fire Station No. 2 located on the northeast corner of Selby Avenue and Chandler Street in Eastvale, California. Mr. Radlinski served as special inspector for the duration of this project.

CITY OF TEMECULA, MARGARITA ROAD REHABILITATION, TEMECULA, CALIFORNIA

Mr. Radlinski was an inspector for observation and testing services during construction of the Margarita Road rehabilitation project as an on-call consultant to the City of Temecula. Our services were provided responsively and effectively allowing the project to proceed on time and under budget. When a portion of the roadway was encountered that did not have the asphaltic concrete thickness as indicated by the investigating geotechnical consultant, Geocon mobilized our coring operations in less than 24 hours to investigate the area and provide the existing pavement section needed for the repaving operations.

ERIK BEZANSON

SPECIAL INSPECTOR

Mr. Bezanson has 17 years of experience with laboratory and field inspection and testing of soils and construction materials. His experience includes observations and testing of building pads, roads, commercial buildings, public works and utility trenches, and concrete batch plant inspection. Mr. Bezanson is trained in performance of Quality Control in a Construction Material Testing Laboratory including performing and supervising performance in sieve analysis, proctors, soil ring density and moisture content, sand equivalent, soil shear testing and specific gravity of aggregates. Laboratory testing abilities also include compressive strength testing of concrete, mortar, grout, shotcrete, and masonry pavers. He is experienced with in-place density testing of soil utilizing sand cone and nuclear gauge test methods, performing field, testing of concrete placement, including slump, temperature, air, content and molding compressive strength specimens. His recent experience includes:

EXPERIENCE
17 years

EDUCATION
- California State University, Fullerton, Geology

CERTIFICATIONS
- ICC California Commercial Building Inspector
- ICC Structural Masonry Special Inspector
- ICC Soils Special Inspector
- ICC Reinforced Concrete
- ICC Spray Applied Fireproofing Special Inspector
- L.A. County Concrete Special Inspector
- ACI Field Technician – Grade I
- Nuclear Density Gauge
- CA Office of Emergency Services S.A.P. Evaluator

COUNTY OF ORANGE, OC JUVENILE HALL MULTIPURPOSE REHABILITATION CENTER (MRC), ORANGE, CALIFORNIA

Geocon provided geotechnical, special inspection, and testing and observation services for the Orange County Juvenile Hall during grading and construction of a new multipurpose Rehabilitation Center. The project consists of a Concrete Masonry Unit (CMU) Multipurpose/ Rehabilitation building, a parking area, a fire department access lane, and CMU security perimeter fence. The project provides the youth it houses with a space that offers leisure and structured activities, counseling and mental health care, and other care services. Mr. Bezanson provided welding shop inspection during construction.

CITY OF NEWPORT BEACH, FIRE STATION NO. 2 REPLACEMENT, NEWPORT BEACH, CALIFORNIA

The City of Newport Beach is replacing the Lido Fire Station No. 2 on 32nd Street — built in 1953 – and replacing it with a new structure on the corner of 28th Street and Newport Boulevard. The new location is larger and will provide better access to more residential areas than the old station. Mr. Bezanson provided shop welding inspection and welding inspections during construction.

CITY OF NEWPORT BEACH, BALBOA BOULEVARD MEDIAN WIDENING AND IMPROVEMENTS, NEWPORT BEACH, CALIFORNIA

Geocon performed geotechnical testing and observation services during the Balboa Boulevard Median Widening and Improvements project. The project consisted of removal of existing roadway; installation of concrete medians, curb and gutter, asphalt concrete, lighting, landscaping, and stormwater irrigation; and slurry sealing. Mr. Bezanson performed testing and observation services during placement of subgrade, base, and asphalt concrete.

CITY OF HESPERIA, CDBG STREET REHABILITATION - FY 2016/2017, HESPERIA, CALIFORNIA

Geocon was selected to provide on-call materials testing and inspections services for this major city streets improvement project. Mr. Bezanson served as the lead inspector for this project. His responsibilities included: geotechnical observation and testing on a full-time basis during pavement rehabilitation of city streets, which also included Full Depth Reclamation (FDR) process and paving of the new asphalt concrete surface. The project involved approximately 43,500 square yards of FDR and 8,570 tons of asphalt concrete. Observed and tested the concrete treatment of 7,200 feet of Santa Fe Avenue to mitigate yielding subgrade.

RAZMIK DAVIDIAN

SPECIAL INSPECTOR

Mr. Davidian has over 30 years of experience performing construction inspection services throughout the greater Los Angeles area. His experience includes numerous large-scale private developments, educational institutions, medical facilities, and various public works projects. Mr. Davidian prides himself on his strong work ethic and his ability to work as an extension of our clients' staff. He is responsive and provides effective testing and inspection services by working with clients to make sure the required testing and inspections are performed as efficiently as possible. He is a primary inspector and is capable of providing complete and comprehensive inspection and testing services for entire projects. His relevant experience includes:

EXPERIENCE
30 years

CERTIFICATIONS
- ICC Commercial Building
- ICC Commercial Mechanical
- ICC Commercial Plumbing
- ICC Reinforced Concrete
- ICC Pre-Stressed Concrete
- ICC Special Soils
- ICC Structural Steel & Bolting
- ICC Structural Welding
- ICC Spray-Applied Fireproofing
- ICC Structural Masonry
- LA City Grading
- LA City Concrete Construction
- LA City Masonry Construction
- LA City Wood Construction
- LA City Drilled-In-Anchors
- LA City Structural Steel & Welding
- LA City Gunite/Shotcrete
- AWS Certified Welding Inspector
- City of Santa Monica Inspector
- Class B- CA General Building Contractor

CITY OF NEWPORT BEACH, FIRE STATION NO. 2 REPLACEMENT, NEWPORT BEACH, CALIFORNIA

The City of Newport Beach is replacing the Lido Fire Station No. 2 on 32nd Street — built in 1953 – and replacing it with a new structure on the corner of 28th Street and Newport Boulevard. The new location is larger and will provide better access to more residential areas than the old station. Mr. Davidian provided welding inspection during construction.

CITY OF PASADENA DEPARTMENT OF PUBLIC WORKS, ON-CALL SOILS & MATERIALS TESTING SERVICES CONTRACT, PASADENA, CALIFORNIA

Mr. Davidian served as special inspector for projects on the City of Pasadena Department of Public Works On-Call Geotechnical Engineering, Materials Testing, and Inspection Services contract. Geocon has provided services on Arroyo/Rose Bowl Drive, Preventative Maintenance of Streets, Green Street and Fair Oaks Avenue, Arroyo and Linda Vista, La Pintoresca Library, roadwork on Walnut Street between Daisy and Sunnyslope, East Side Storm Drain from Belvidere to Mountain Street, roadwork on the corner of Fair Oaks and California, slope failure at 1175 North Arroyo Boulevard, and a storm drain break at East Del Mar Boulevard west of Allen Avenue.

CITY OF THOUSAND OAKS, HAIGH ROAD STORM DRAIN IMPROVEMENTS, THOUSAND OAKS, CALIFORNIA

Mr. Davidian served as special inspector throughout the duration of construction for the Haigh Road Drainage Improvement Project. Geocon's scope of services included soils testing of the installation of 60" RCP, backfill testing under AC paving, junction structure concrete testing, laboratory testing of soils, and laboratory testing of sampled concrete.

CITY OF PASADENA, HOLLY STREET IMPROVEMENTS (ARROYO & LINDA VISTA), PASADENA, CALIFORNIA

Mr. Davidian provided inspection and testing services during testing and observation services Geocon provided during the backfill of retaining walls and grading of subgrade on south bound Holly Street. Our scope of services included: observation of the grading operation, including the excavation of existing fill and surficial native soils; inspection and approval of excavation bottoms prior to placement and compaction of engineered fill material; in-place density testing on earth materials placed and compacted; laboratory testing to aid in evaluating the compaction characteristics of soil types used for fill; and preparation of a site plan and final compaction report.

TYLER KLINGENBERG

SPECIAL INSPECTOR

Mr. Klingenberg has more than 10 years of experience performing materials testing and special inspection services throughout the Orange County and Los Angeles areas on a variety of public and private sector projects, including schools, hospitals, roads, commercial buildings, and residential buildings. As an Inspector, Mr. Klingenberg is responsible for performing materials testing and inspection services for reinforced and post-tensioned concrete, wood and masonry construction, spray-applied fireproofing, structural steel and bolting, epoxy anchors, and rebar. Recent experience includes:

EXPERIENCE
10 years

CERTIFICATIONS
- ICC Reinforced Concrete
- ICC Soils
- ICC Masonry
- ICC Structural Steel & Bolting
- ACI Concrete Field-Testing Technician Grade 1
- HAZMAT
- Nuclear Gauge Safety

CITY OF GARDEN GROVE, ACACIA AVENUE-JOSEPHINE STREET STORM DRAIN, GARDEN GROVE, CALIFORNIA

Geocon performed utility potholing services on Acacia Avenue and Josephine Street with the goal to fill the cracks and separations of asphaltic pavement for the street improvement project in the City of Garden Grove. We exposed utilities along the alignment of the proposed storm drain line, backfilled the excavations with soils, and restored the ground with asphalt/concrete patches. Geocon matched the existing AC thickness to that of surrounding streets upon completion of the storm drain. As an inspector, Mr. Klingenberg performed density testing of subgrade, base, and asphalt concrete; observation of subgrade stabilization; density testing of storm drain trenches and during backfill.

CITY OF NEWPORT BEACH DEPARTMENT OF PUBLIC WORKS, ON-CALL GEOTECHNICAL ENGINEERING, MATERIALS TESTING, & INSPECTION SERVICES CONTRACT, NEWPORT BEACH, CALIFORNIA

Geocon currently provides geotechnical, materials testing and inspection services for the City of Newport Beach. Investigations for pavement restoration projects and miscellaneous public improvement repairs were completed and geotechnical and materials inspection and testing services were provided for asphalt pavement and concrete placement. Mr. Klingenberg performed special inspection services for the Concrete Alley and Street Replacement project for the City of Newport Beach.

CITY OF NEWPORT BEACH, FIRE STATION NO.2 REPLACEMENT, NEWPORT BEACH, CALIFORNIA

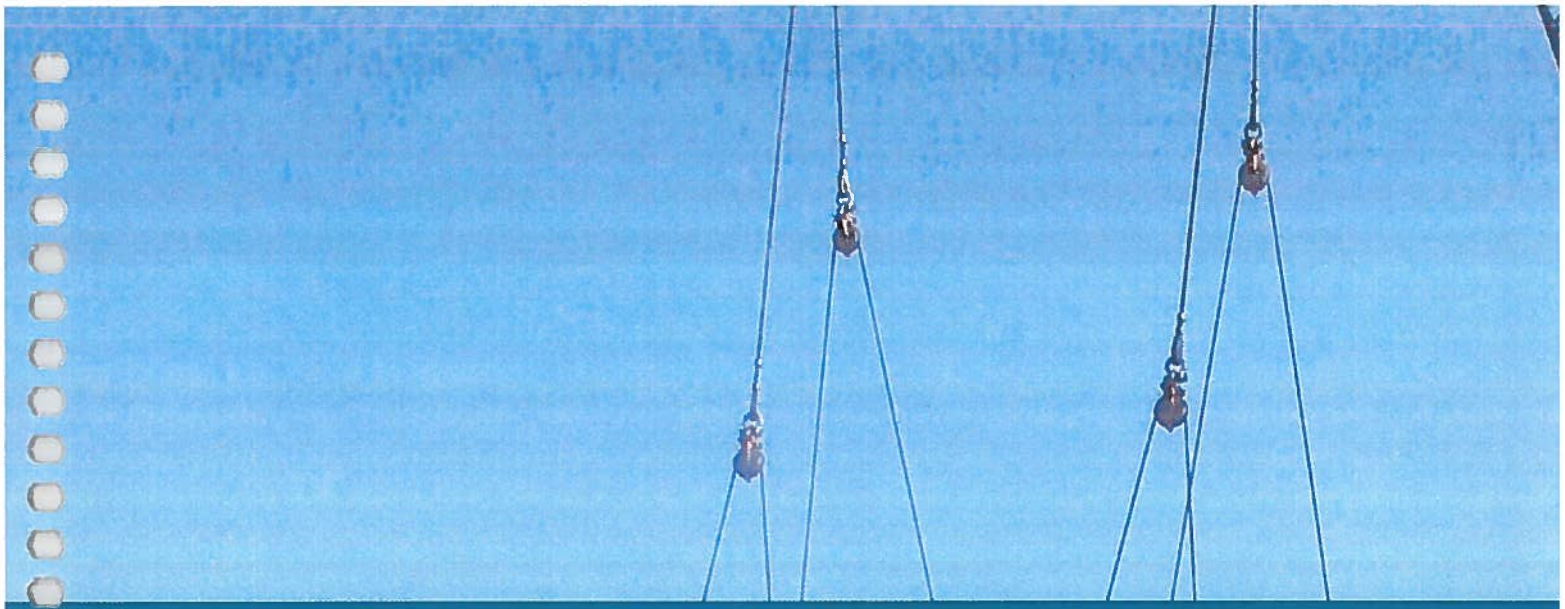
Geocon is currently providing testing and observation services during the grading for the replacement of Fire Station No. 2 in the City of Newport Beach, California. Mr. Klingenberg is performing as Geocon's primary inspector and has provided client meeting coordination; sample importing; and testing and observation during the placement of subgrade, base, and asphalt concrete.

CITY OF NEWPORT BEACH, OCEAN BOULEVARD SIDEWALK, NEWPORT BEACH, CALIFORNIA

Geocon performed testing and observation services for the Ocean Boulevard Sidewalk Improvements project. The project consists of a sidewalk to be installed along the south side of Ocean Boulevard from Dahlia Avenue to Fernleaf Avenue. The project provides for pedestrian safety and American with Disabilities Act (ADA) compliance. Mr. Klingenberg performed testing and observation during placement of subgrade, base, and asphalt concrete.

CITY OF PASADENA, VICTORY PARK, PASADENA, CALIFORNIA

Geocon performed testing and observation services during the Victory Park Restroom project. The existing restroom will be demolished and replaced with a larger facility that will include a storage room for Park staff. The existing restrooms had deteriorated and become difficult to maintain. Mr. Klingenberg performed inspection and stressing of epoxy anchors and rebar.



REFERENCES

GEOCON

RELEVANT EXPERIENCE

RELEVANT EXPERIENCE

CITY OF GARDEN GROVE – ON-CALL GEOTECHNICAL SERVICES

GARDEN GROVE, CALIFORNIA

REFERENCE
City of Garden Grove
11222 Acacia Parkway,
P.O. Box 3070
Garden Grove, California 92842

Mr. Mark Uphus,
Senior Civil Engineer
(714) 638-7950
marku@ci.garden-grove.ca.us

KEY PERSONNEL
Jelisa Thomas Adams, GE
John Stapleton, EIT

PROJECT DURATION
May 2020-Ongoing

GEOCON FEE
$145,000+ to date

VARIOUS STREETS AND STORM DRAIN IMPROVEMENTS

Geocon performed a limited geotechnical investigation as part of the Acacia-Josephine Storm Drain Project for our on-call contract with the City of Garden Grove. The project was to improve the street pavement, which had rutting and cracks, as well as adding a storm drain to improve poor drainage conditions. The planned rehabilitation is meant to extend the roadway to meet a 20-year design life. During the investigation we performed a site reconnaissance, a visual evaluation of the existing pavement conditions, coring of the existing pavement, advancing borings, sampling the subgrade soils and groundwater, laboratory testing, and engineering analysis. Geocon found that the roadways showed signs of moderate to severe distress, potholes, and raveling. Our reconnaissance observed streets that had ponded water, likely due to poor drainage. Geocon's opinion was that the construction of the proposed improvements could be performed provided their recommendations were followed and implemented during construction.

VARIOUS RESIDENTIAL AND ARTERIAL STREETS IMPROVEMENTS PROJECTS

Geocon provided testing and observation services during the street improvement project in the City of Garden Grove. The project would result in an improved roadway surface and minimize maintenance efforts. The purpose of the testing and observations was to determine that the specifications required for the project were met. We performed in-place density tests, laboratory tests, and prepared a report summarizing our testing and observation findings. Geocon concluded that the preparation of the paving subgrade soils, and the placement of engineered materials had been performed in substantial conformance with the requirements of the City of Garden Grove and the project plans.

UTILITY POTHOLING

Geocon performed potholing services for the Acacia-Josephine Storm Drain project in the City of Garden Grove. The purpose of the work was to obtain the size and type of pipe, measure the depth of cover from finished grade to the top of pipe; and measure horizontal control from centerline of the streets. After the utilities were exposed and the desired measurements obtained the surface was restored with asphalt or concrete.

CITY OF NEWPORT BEACH – ON-CALL GEOTECHNICAL AND MATERIALS TESTING SERVICES

NEWPORT BEACH, CALIFORNIA

Geocon is currently contracted with the City of Newport Beach to perform on-call geotechnical engineering and materials testing services. Over the course of this contract, Geocon has provided nearly $ 98 thousand in geotechnical and materials testing services over the course of nine projects authorized in the last year. Our services include geotechnical observation and field testing, compaction testing, and geotechnical investigations and studies. Some of these projects are summarized as follows:

- **Newport Centre Fire Station**
- **Annual Concrete Replacement Program**
- Marguerite & Hospital Pavement Study
- Arterial Highway Pavement Repair
- Balboa Island Coping
- Transfer Station Rehabilitation
- Jamboree Rd. Slough Wall
- Newport Elementary Playfield
- **Annual Slurry Seal Repair Program**
- Storm Drain Repair/Rehabilitation

REFERENCE
City of Newport Beach
100 Civic Center Drive
Newport Beach, CA 92660

Mr. Andy Tran, PE
Senior Civil Engineer
(949) 644-3315
atran@newportbeachca.gov

KEY PERSONNEL
Jelisa Thomas Adams, GE
John Stapleton, EIT
Sergio Ingco

PROJECT DURATION
2016-Present

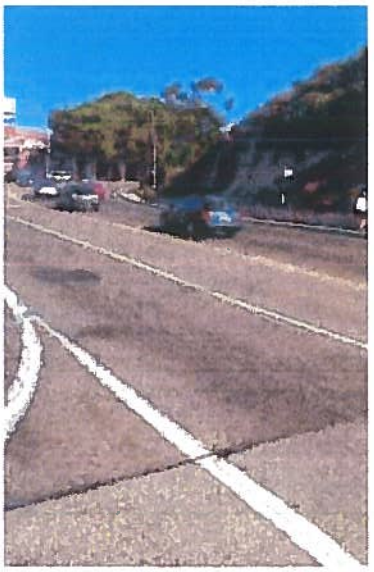
GEOCON FEE
$202,000+ to date

NEWPORT CENTRE FIRE STATION, NEWPORT BEACH, CALIFORNIA

Through our on-call contract, Geocon conducted a limited geotechnical investigation for the proposed addition to the existing fire station structure for the City of Newport Beach. The scope of the investigation included a site reconnaissance, field exploration, laboratory testing, engineering analysis, and the preparation of a final report. The proposed project consisted of a new 414 square foot building addition constructed adjacent to the existing structure. The existing structure is supported on belled caissons which extend approximately 10 feet below the slab-on-grade of the existing structure. Geocon made design recommendations for the end-bearing caissons, concrete slabs-on-grade, preliminary pavement recommendations, temporary excavations, and surface drainage.

ANNUAL SLURRY SEAL REPAIR PROGRAM

Geocon provided as-needed special inspection and testing services during construction of the Slurry Seal Program project in the City of Newport Beach, California. The repair program consisted of placing 3,600,000 square feet of Type 1 Slurry Seal throughout the City of Newport Beach. Samples of the slurry emulsion and aggregate were taken prior to the start of the roadway sealing testing and consisted of collecting two samples per truck per day. All samples were tested for Wet Track Abrasion, Slurry Emulsion Oil Content, and Slurry Aggregate Gradation.



ANNUAL CONCRETE REPLACEMENT PROGRAM

Through our on-call contract, Geocon provided testing and inspection services for the Annual Concrete Replacement Program for the City of Newport Beach. The project consisted of the removal and replacement of sidewalk, curb and gutter, and driveway entries at various locations. The project predominantly consisted of unreinforced concrete; however, select areas required reinforcing, which Geocon also provided inspection. Our services included collection of concrete samples, observation of rebar placement, and compressive strength laboratory testing.

CITY OF ANAHEIM, CONSTRUCTION SERVICES DEPARTMENT
ON-CALL MATERIALS TESTING, DEPUTY INSPECTION, & ENVIRONMENTAL ENGINEERING

ANAHEIM, CALIFORNIA

REFERENCE
City of Anaheim
200 S. Anaheim Blvd., Suite 276
Anaheim, CA 92805

Lorenzo Rea, Project Manager
(714) 765-6893
lrea@anaheim.net

KEY PERSONNEL
Jelisa Thomas Adams, GE

CONTRACT DURATION
May 2022 – Present

GEOCON FEE
$89,120

Geocon is currently contracted with the City of Anaheim to provide materials testing, geotechnical engineering including analysis and testing, environmental assessments, and review of environmental reports. Some of the projects we have performed services on for the City are as follows:

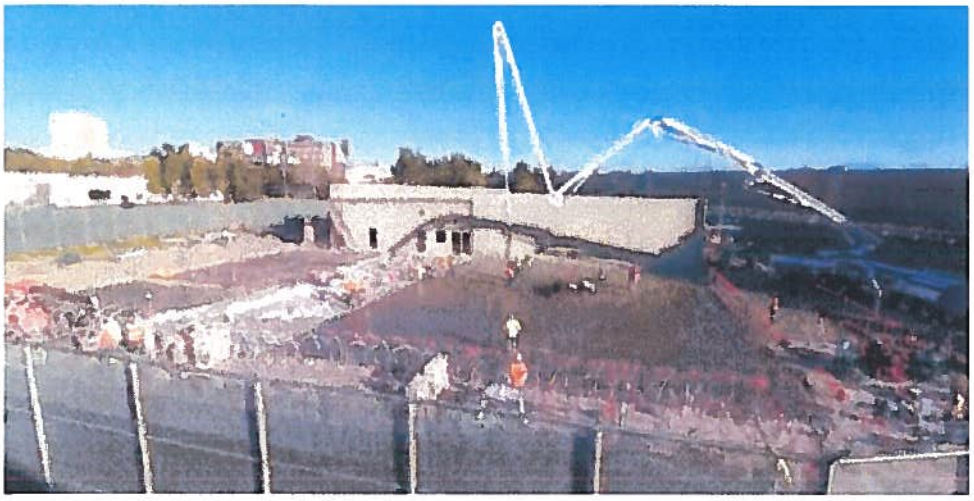
RESIDENTIAL STREET IMPROVEMENT PROJECT, WILLOWBROOK AND RIVERDALE, GROUP 1

Geocon is currently providing as-needed geotechnical, material testing, and inspection services during construction of pavement improvements in the Willowbrook and Riverdale neighborhoods in Anaheim. The project entails approximately 1,312,000 square feet of grind and overlay and 1,035,000 square feet of slurry seal. Work which requires geotechnical and materials testing and inspection services for the project includes Asphalt Concrete (AC) materials sampling and laboratory testing; batch plant inspection; AC materials / compaction testing; providing proactive feedback to the City Project Manager and Contractor to identify areas that may affect the paving operation and recommend alternatives to avoid potential delays; and maintaining effective records of communication and material testing reports.

MISCELLANEOUS WATER VAULTS

Geocon is currently providing as-needed geotechnical and material testing and inspection services during the Miscellaneous Water Vaults 10, 29, 49, & 94 (RCP 2020-17927) and 26, 33, and 55 (RCP 2021-18474) capital improvement projects. The projects generally consist of the rehabilitation and/or abandonment of seven total miscellaneous water vaults located in the City of Anaheim. The scope of work consists of soils / aggregate inspection and compaction testing; asphalt concrete (AC) inspection, compaction testing, and sampling; and structural or non-structural concrete observation and strength testing. Work which requires geotechnical and materials and testing and inspection services are anticipated to include observation of trench and excavation bottoms; observation and field and laboratory testing of soil and aggregate material, asphalt concrete, structural and non-structural concrete for pipe and elbow supports, and curb and gutter; providing proactive feedback to the City Project Manager and Contractor to identify areas that may affect the paving operation and recommend alternatives to avoid potential delays; and maintaining effective records of communication and material testing reports.

ORANGE COUNTY DEPARTMENT OF PUBLIC WORKS
JUVENILE HALL MULTIPURPOSE REHABILITATION CENTER
ORANGE, CALIFORNIA



Geocon provided geotechnical, special inspection, and testing and observation services for Orange County's Department of Public Works new Juvenile Hall during grading and construction of a new multipurpose Rehabilitation Center. The project was funded by the Capital Improvements Project Program from the General Fund Reserves set-aside for the Probation Department. This project was part of a $15.4 million dollar budget.

The project location was previously occupied by a baseball field. The proposed project will consist of a Concrete Masonry Unit (CMU) Multipurpose/ Rehabilitation building, a parking area, a fire department access lane, and CMU security perimeter fence. The building will hold two classrooms, one visitor room, two program rooms, an indoor gymnasium, outdoor hand ball courts, a fitness center, restrooms, a visitor child play area, sally port, control room, search rooms, a kitchen, staff station, storage rooms, mechanical/electrical/janitor rooms, and a lobby. The proposed project will provide the youth it houses with a space that offers leisure and structured activities, counseling and mental health care, and other care services to change and improve their future.

The project included challenging geotechnical conditions including soft, saturated shallow soils that are prone to excessive settlements under the application of building loads, as well as deeper soils that are susceptible to liquefaction under seismic loading. Based on these conditions, it was determined that the most efficient foundation system consists of a concrete mat foundation system deriving support in a blanket of engineered fill reinforced with geosynthetic materials spaced at approximately 18-inch intervals vertically. The geosynthetic reinforced engineered fill layer provides a flexible substratum which will reduce the propagation of settlements due to the underlying compressible soils and liquefiable soils to the foundation level.

REFERENCE
Orange County, Department of Public Works
c/o Kitchell CEM, Inc
701 S Mt. Vernon Avenue,
San Bernardino, CA 92410

Jeremy Judd,
Senior Project Manager
(909) 889-9952
jjudd@kitchell.com

KEY PERSONNEL
Jelisa Thomas Adams, GE
Neal Berliner, GE
John Stapleton, EIT
Alex Do
Sergio Ingco
Phillip Stephens

PROJECT DURATION
January 2020 – November 2022

GEOCON FEE
$414,000

CONSTRUCTION VALUE
$11.5M

CITY OF SAN JUAN CAPISTRANO
ON-CALL GEOTECHNICAL REVIEW/DESIGN AND MATERIALS TESTING SERVICES
SAN JUAN CAPISTRANO, CALIFORNIA

REFERENCE
City of San Juan Capistrano
32400 Paseo Adelanto
San Juan Capistrano, CA 92675

Ms. Madison LaScalza, Planning and Engineering Technician
(949) 443-6356
mlascalza@sanjuancapistrano.org

KEY PERSONNEL
Jelisa Thomas Adams, GE
Susan Kirkgard, CEG
Petrina Zen, PE

PROJECT DURATION
January 2020 - Ongoing

GEOCON FEE
$18,640+ to date

Geocon currently holds a two-year on-call contract with the City of San Juan Capistrano for Geotechnical Review/Design and Materials Testing Services. Some of the projects we have provided services on are as follows:

GEOTECHNICAL THIRD-PARTY REVIEW FOR COMPASS ENERGY STORAGE

At the request of the City of San Juan Capistrano, Geocon completed a third-party review of the Geotechnical Investigation Report for the proposed Compass Energy Storage project. The project consists of a battery storage yard, a project substation, an SDG&E interconnection switchyard, and a high voltage transmission line. With the exception of the transmission line, the proposed improvements will be located on 15.5 acres of a larger 58-acre parcel within the City of San Juan Capistrano. The project geotechnical challenges included areas mapped as having the potential for seismic slope instability, liquefiable materials, and proximity to an existing creek.

GEOTECHNICAL THIRD-PARTY REVIEW FOR PROPOSED NEW RESIDENCE

Geocon has completed multiple third-party reviews of Geotechnical Reports prepared for proposed single-family residences on behalf of the City of San Juan Capistrano from a geotechnical perspective for compliance with applicable codes, guidelines, and standards of practice. Projects have ranged from relatively simple vacant lots with favorable geologic conditions to proposed hillside construction of undeveloped land with adversely oriented bedrock structure which requires slope stability analyses.

GEOTECHNICAL THIRD-PARTY REVIEW FOR PROPOSED APARTMENT UNITS

At the request of the City of San Juan Capistrano, Geocon completed a third-party review of a Geotechnical Investigation for two new apartment units and the addition of a second story to an existing unit. Geocon completed this review on behalf of the City of San Juan Capistrano from a geotechnical perspective for compliance with applicable codes, guidelines, and standards of practice.

LIST OF CURRENT ON-CALL CONTRACTS

Geocon has performed on-call geotechnical engineering and materials testing services for numerous municipalities, State agencies, water districts, and school districts within the past five years. A list of **current on-call contracts** Geocon holds with public agencies in Southern California is provided below.

AGENCY	CONTRACT	DURATION
City of Garden Grove	On-Call Geotechnical Engineering Services	2020 – Present
City of Newport Beach	On-Call Geotechnical & Material Testing Services	2016 – Present
City of Anaheim, Construction Services Department	On-Call Materials Testing, Deputy Inspection, & Environmental Engineering	2022 – Present
City of San Juan Capistrano	On-Call Geotechnical Review/Design and Materials Testing Services	2020 – Present
County of Orange, Department of Public Works	On-Call Construction Testing & Inspection Services	2022 – Present
Orange County Fire Authority	Geotechnical Professional Services	2019 – Present
County of Los Angeles Department of Public Works	As-Needed Geotechnical Engineering, Materials Testing & Inspection Services	2007 – Present
City of Los Angeles Bureau of Engineering	On-Call Geotechnical & Environmental Consultants List	2012– Present
City of Pasadena	On-Call Soils & Materials Testing Services	2013 – Present
County of San Bernardino Department of Public Works	On-Call Materials Testing, Geotechnical & Geological Services | PWG115-LANDD-1510	2015– Present
Riverside County Flood Control & Water Conservation District	On-Call Geotechnical Engineering & Professional Ancillary Services	2013 – Present
City of San Diego	As-Needed Geotechnical Services	2010 – Present
City of Hesperia	On-Call Geotechnical Engineering and Materials Testing Services	2016 – Present
City of Moreno Valley	Materials Testing & Geotechnical Services	2016– Present
City of Murrieta	On-Call Geotechnical Services	2012 – Present
City of Temecula	Geotechnical & Materials Testing Services	2015 – Present
City of Rancho Mirage	On-Call Materials Testing	2016– Present
City of Indio	On-Call Materials Testing	2014 – Present
Padre Dam Municipal Water District	As-Needed Geotechnical Engineering Services	2011 – Present
Los Angeles Unified School District	As-Needed Geotechnical Design & Geotechnical Inspection & Testing Services	2005 – Present
University of California, Los Angeles	As-Needed Geotechnical Design & Geotechnical Inspection & Testing Services	2014 – Present
State of California Department of General Services	As-Needed Geotechnical Engineering Services, Southern Region	2005 – Present

REFERENCES

References which whom the City may contact are provided below:

City of Newport Beach

Andy Tran, PE, Senior Civil Engineer
(949) 644-3315 | atran@newportbeachca.gov
100 Civic Center Drive,
Newport Beach, CA 92660

PROJECT: *On-Call Geotechnical & Materials Testing Services*

City of Anaheim, Construction Services Department

Lorenzo Rea, Project Manager
(714) 765-6893 | lrea@anaheim.net
200 S. Anaheim Blvd., Suite 276,
Anaheim, CA 92805

PROJECT: *On-Call Materials Testing, Deputy Inspection, & Environmental Engineering*

City of San Juan Capistrano

Jeremy Hohnbaum, Senior Civil Engineer
(949) 449-1190 | JHohnbaum@sanjuancapistrano.org
30448 Rancho Viejo Road,
San Juan Capistrano, CA 92675

PROJECT: *On-Call Geotechnical Review / Design and Materials Testing Services*

City of Pasadena, Department of Public Works

Hayden Melbourn, PE, Principal Engineer
(626) 744-7345 |
hmelbourn@cityofpasadena.net1149
100 North Garfield Avenue,
Pasadena, CA 91101

PROJECT: *On-Call Soils and Materials Testing*

City of Hesperia

David Burkett, Project Construction Manager
(760) 947-1202 | dburkett@cityofhesperia.us
9700 Seventh Ave,
Hesperia, CA 92345

PROJECT: *On-Call Geotechnical Engineering and Materials Testing Service*

City of Los Angeles, Bureau of Engineering

Easton Forcier, Project Manager
(213) 847-0476 | easton.forcier@lacity.org
1149 S. Broadway, Suite 700,
Los Angeles, CA 90015

PROJECT: *Geotechnical and Environmental Consultant List*

Los Angeles County, Department of Public Works

Dennis Simonian, Senior Capital Project Manager
(626) 300-3267 | dsimonian@dpw.lacounty.gov
900 S. Fremont Avenue,
Alhambra, CA 91803

PROJECT: *On-Call Geotechnical Engineering, Materials Testing, and Inspection Services*

City of Simi Valley & Ventura County Waterworks District No. 8

Sarah Sheshebor, Senior Engineer
(805) 583-6792 | sshesheb@simivalley.org
2929 Tapo Canyon Road,
Simi Valley, CA 93063

PROJECT: *On-Call Pavement Engineering and Materials Testing Services*

County of San Bernardino, Department of Public Works

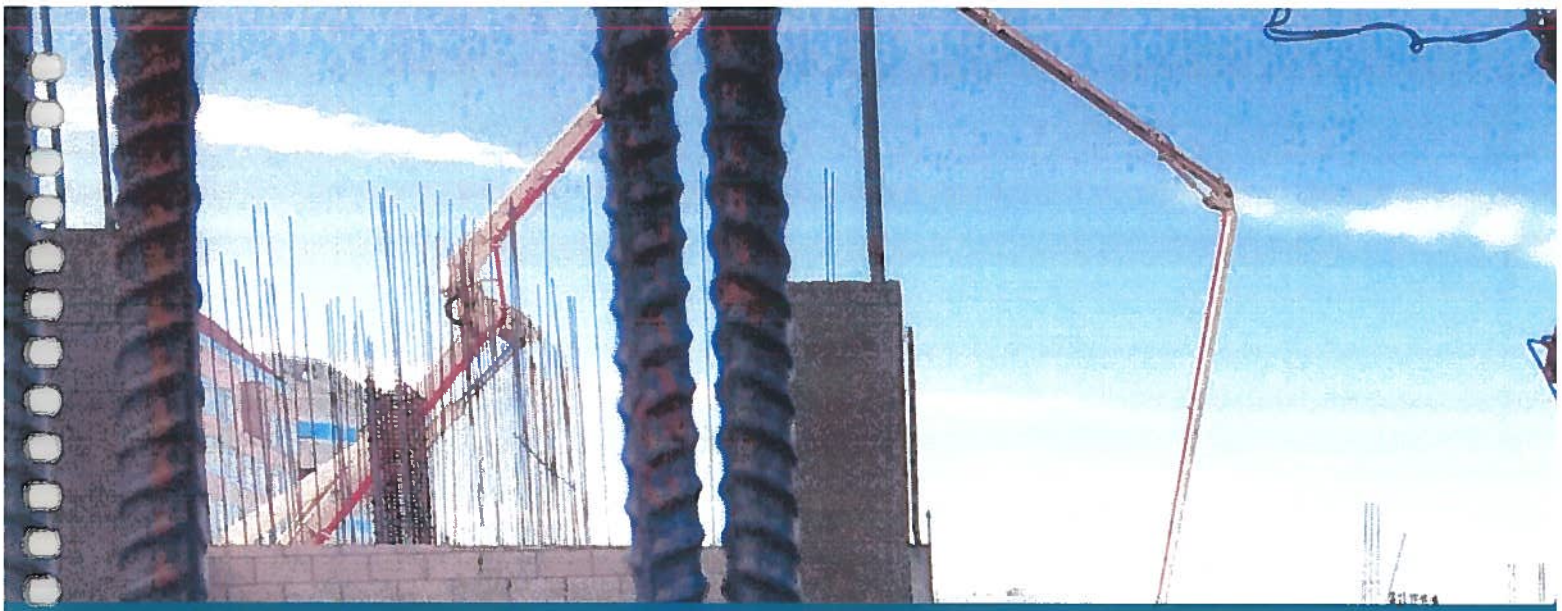
Johnny D. Gayman, PE, Supervising Engineer
(909) 663-7599 | JD.Gayman@dpw.sbcounty.gov
825 East Third Street,
San Bernardino, CA 92415

PROJECT*: On-Call Materials Testing, Geotechnical & Geological Services*

County of San Bernardino Real Estate Services, Project Management Division

Dorney Chamberlain, Project Manager
(909) 387-5000 | Chamberlain@ae.sbcounty.gov
385 North Arrowhead Avenue, Third Floor,
San Bernardino, CA 92415-0180

PROJECT: *On-Call Consultant Agreement for Architectural, Engineering, and Construction Related Services (Environmental Testing)*



APPENDIX

GEOCON

EXCEPTIONS TO SAMPLE AGREEMENT

APPENDIX

EXCEPTIONS TO SAMPLE AGREEMENT

4. Insurance Requirements.

4.3 Insurance Amounts. CONSULTANT shall maintain the following insurance for the duration of this Agreement:

c) Professional liability in the amount of $1,000,000 per occurrence; Insurance companies must be acceptable to CITY and have an AM Best's Guide Rating of A-, Class VII or better, as approved by the CITY. If the policy is written on a "claims made" basis, the policy shall be continued in full force and effect at all times during the term of the agreement, and for a period of three (3) years from the date of the completion of services provided. In the event of termination, cancellation, or material change in the policy, professional/consultant shall obtain continuing insurance coverage for the prior acts or omissions of professional/consultant during the course of performing services under the term of the agreement. The coverage shall be evidenced by either a new policy evidencing no gap in coverage, or by obtaining separate extended "tail" coverage with the present or new carrier.

An Additional Insured Endorsement, ongoing and completed operations, for the policy under Section 4.3 (a) shall designate CITY, its officers, officials, employees, agents, and volunteers as additional insureds for liability arising out of work or operations performed by or on behalf of the CONSULTANT. CONSULTANT shall provide to CITY proof of insurance and endorsement forms that conform to city's requirements, as approved by the CITY.

An Additional Insured Endorsement for the policy under Section 4.3 (b) shall designate CITY, its officers, officials, employees, agents, and volunteers as additional insureds for automobiles owned, lease, hired, or borrowed by CONSULTANT. CONSULTANT shall provide to CITY proof of insurance and endorsement forms that conform to CITY's requirements, as approved by the CITY.

For any claims related to this Agreement, CONSULTANT's insurance coverage shall be primary insurance as respects to CITY, its officers, officials, employees, agents, and volunteers. Any insurance or self-insurance maintained by the CITY, its officers, officials, employees, agents, or volunteers shall be excess of the CONSULTANT's insurance and shall not contribute with it.

~~If CONTRACTOR maintains higher insurance limits than the minimums shown above, CONTRACTOR shall provide coverage for the higher insurance limits otherwise maintained by the CONTRACTOR.~~

19. **Indemnification**. To the fullest extent permitted by law, CONSULTANT agrees to ~~protect, defend,~~indemnify (including reimbursement of reasonable defense costs) and hold harmless CITY and its elective or appointive boards, officers, ~~agents,~~ and employees from ~~any and all claims,~~ liabilities, expenses, or damages ~~of any nature~~, including reasonable attorneys' fees, for injury or death of any person, or damages of any nature, including interference with use of property, arising out of, or in any way connected with the performance of services hereunder to the extent caused by the negligence, recklessness and/or intentional wrongful conduct of CONSULTANT, CONSULTANT'S ~~agents,~~ officers, employees, subcontractors, or independent contractors hired by CONSULTANT in the performance of the Agreement. The only exception to CONSULTANT'S responsibility to ~~protect, defend,~~indemnify and hold harmless CITY, is due to the negligence, recklessness and/or wrongful conduct of CITY, or any of its elective or appointive boards, officers, agents, or employees. To the extent services hereunder are covered by Civil Code section 2782.8, in no event shall the cost to defend charged to CONSULTANT exceed CONSULTANT's proportionate share of fault.