

GLOBAL GEO-ENGINEERING, INC.

April 24, 2017

City of Culver City
City Clerk
9770 Culver Boulevard
Culver City, California 90232-0507

Subject: Proposal for Geotechnical Services
Geotechnical Plan Check Services
RFP #1642
Culver City, California

We appreciate the opportunity to submit this proposal to provide geotechnical plan check services for the improvements of the hillside properties in the city of Culver City, California.

The proposal follows the requirements of the City of Culver City Request for Proposals *RFP #1642* of April 2017.

In general, for any proposed improvements of hillside properties involving a support by the underlying soils, a geotechnical report is required to determine the suitability of the soils and evaluate the impacts of the construction on the surrounding properties including public health, safety and general welfare. The Building Safety Division of the city requires that the reports to be reviewed by a third party geotechnical engineer.

The opportunity of submitting this proposal is sincerely appreciated. Should you have any questions, please call.

Very truly yours,

GLOBAL GEO-ENGINEERING, INC.

Mohan B. Upasani
President

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1. **EXECUTIVE SUMMARY**

Global Geo-Engineering, Inc. has been providing geotechnical services since 2001. We conducted geotechnical investigations and provided construction observation and testing services to several thousand projects primarily throughout Southern California extending to Northern and Central California.

We provided similar services to those requested by the RFP for several cities, developers, universities and other clients, including for the city of Culver City. Global Geo-Engineering, Inc. has been providing independent geotechnical report reviews since 2004 including participation during the public meetings.

Each review will be conducted by an engineering geologist and by a California registered geotechnical engineer, both with over 28 years of hillside geotechnical experience.

For an independent review, no subcontractor, sub consultant or supplier services are anticipated.

2. **QUESTIONNAIRE**

2.1 **Company and General Information**

The name of the company is Global Geo-Engineering, Inc.

The company address is 3 Corporate Park, Suite 270, Irvine, CA 92606

A letter of transmittal is attached.

The primary contact for this proposal is Mohan B. Upasani, President. He can be reached at (949) 221-0900, Extension 205 (office phone) or (949) 697-8595 (cellular phone) and his email address is mohan@globalgeo.net.

2.2 **Qualifications and Experience of the Firm**

Global Geo-Engineering, Inc. was established in the State of California as a corporation in 2001. Our only office is located in Irvine, California. Our staff is comprised of Registered Engineers, Engineering Geologists, Soil Technicians, and Certified Deputy Inspectors, all with considerable experience in all phases of geotechnical testing and materials testing. At present, we have 8 full time employees and three contract personnel.

The owners of the company include Mohan B. Upasani (83 percent) and Kevin B. Young (17 percent). The company employs 2 engineers (one registered), 2 geologists (one registered), one soil technician and three administrative staff. We retain a soil technician, a deputy inspector and a draftsman on a contract basis. An organization chart is attached.

The primary business of the company is geotechnical engineering.

The Irvine office will manage the City of Culver City account. Allan Kazem, geologist and Mohan B. Upasani, geotechnical engineer will provide services required under this contract.

Global Geo-Engineering, Inc. has been providing geotechnical services since 2001. In the last 16 years, we provided geotechnical services, primarily for new construction, to over 6,000 projects. Most of the projects included geotechnical investigations to provide design and construction recommendations, and construction observation and testing services. Most of the 6000 projects have completed. At any given time, we are providing services to 10 to 12 projects. A small percentage of the projects included third-party reviews.

We have provided third party geotechnical review for several cities in the Southern California, directly or indirectly:

- a) City of Anaheim;
- b) City of Brea;
- c) City of Colton;
- d) **City of Culver City;**
- e) City of Irvine;
- f) City of Orange
- g) City of Yorba Linda.

Global Geo-Engineering, Inc. has vast experience in Southern California in providing geotechnical services for a variety of projects including hillside properties in geologically challenged areas of Hollywood Hills, Santa Monica Mountains, Laguna Beach and several other areas. We also provide construction observation and testing services. Geotechnical investigations supplemented by observations during construction provide us with a unique quality to determine how the recommendations provided in the report can be effectively implemented during the construction. Additionally, we have a substantial experience in reviewing and commenting peer reports for our clients.

2.3 Qualifications and Experience of Proposed Project Team

The independent review under this contract will be always be conducted by a geologist and an engineer. Allan Kazem, geologist, has over 28 years of geology experience in Southern California. Mohan B. Upasani, an engineer, has over 33 years of geotechnical engineering experience. Both the professionals provided third - party independent review for several hundred projects including over 30 projects for the city of Culver City.

Allan Kazem will review the geologic aspects of any projects whereas Mohan B. Upasani will review the recommendations in light of the geology, engineering and practical consideration of the construction. Resumes of these two professionals are attached.

2.4 Questions/Responses to Scope of Services

A typical scope of our services will include:

- a) Site reconnaissance of the property in order to observe and verify existing surface conditions;
- b) Detailed review and of the geotechnical, geologic, construction documents and plans associated with the planned improvements;
- c) Review of available published and unpublished geologic hazards reports and maps which include the site;
- d) Engineering and geologic analyses of the reviewed data;
- e) Preparation of a third party geotechnical report presenting our findings, conclusions and recommendations.

Our experience in providing similar services for projects within the city of Culver City and several other cities over the last 16 years and reviewing of hundreds of geotechnical reports prior to becoming engineer-of-record on several projects qualifies us over other respondents. We have also provided geotechnical opinions in several legal cases which required us to review the geotechnical reports.

Mohan B. Upasani was retained by State of California Board of Professional Engineers, Land Surveyors and Geologists from 1995 to 2012 as a subject matter expert to develop geotechnical examination.

2.5 Fee Estimate

- a) Global Geo-Engineering makes every effort to provide an accurate estimate of expected fees for all of our projects. For projects similar to the current project, our fees are estimated, based upon similar consulting and review projects we have performed for the City of Culver City. While we are optimistic that we can complete our geotechnical review in one session, we cannot guarantee this will be the case in all situations.
- b) We estimate our fees to be \$900.00 for the first review and an additional \$400.00 for the second review (if required). Should the geotechnical consultant fail to respond satisfactorily to the second review letter, additional review fees will likely be accrued. In such a condition, we will provide an estimate for additional fees and a schedule, and we will not commence such work without prior written authorization.
- c) Our fees will be billed at the conclusion of each review and expected to be paid in 30 days.

- d) Fees for professional services beyond the scope of work as outlined, such as meetings with client or designated agent or response to governmental agency review letters, will be accrued on a time and materials basis in accordance with our current Fee Schedule which accompanies this proposal. This amount will be billed separately from the above quoted fee and your authorization obtained before initiating our work.

2.6 References

We have provided geotechnical testing services to very diversified clientele. A very short list of our prestigious clients is provided below.

- a) 24-hour Fitness (commercial);
- b) Boeing Aerospace;
- c) Chevron Energy Solutions (solar power);
- d) CT Realty (Commercial);
- e) General Growth Properties (shopping);
- f) Rite-Aid Stores (retail);
- g) Sempra Utilities (Southern California Gas Company);
- h) University of California, Irvine (institutional);
- i) UPS (service);
- j) U.S. Army Corps of Engineers (government);
- k) U. S. Department of Defense (government);
- l) Valero Refinery (refineries);
- m) **City of Culver City.**

A list of clients including contact person's name, address and telephone number and a brief description of the project(s) is provided below:

- a) City of Culver City
Mr. Craig Johnson
9770 Culver Boulevard
Culver City, CA 90232
(310) 253-5802
craig.johnson@culvercity.org

We provided third-party geotechnical report review for several projects since 2004.

- b) 24 Hour Fitness
Mr. Medi Aynechi
27921 La Paz Road, Suite B
Laguna Niguel, California 92677
(949) 851-0024 x 5276
Maynechi@24hourfit.com

We provided geotechnical, geologic, geophysical, environmental and civil engineering services, and observation and testing services during construction for several fitness clubs throughout Southern California. Our services also included review of prior geotechnical reports.

- c) Valero Wilmington Refinery
Mr. Rich Boyker
2402 East Anaheim Street
Wilmington, California 90744-4081
(562) 491-7287
Rich.boyker@valero.com

We provided geotechnical, geologic, geophysical, environmental and civil engineering services, and observation and testing services during construction for several structures throughout Valero Refinery in Wilmington, California. Our services also included review of prior geotechnical reports.

2.7 Schedule

After we receive the report and plans, our first review will be submitted no later than 2 weeks from the day of the receipt. The second review will typically require less than a week.

2.8 Insurance

Global Geo-Engineering retains the following insurance coverage:

a)	Professional Liability (E & O)	\$1,000,000
b)	General Liability	\$2,000,000
c)	Automobile Liability	\$1,000,000
d)	Excess Umbrella Liability	\$4,000,000
e)	Worker's Compensation	\$2,000,000

Certificates of insurance will be provided once the contract is awarded.

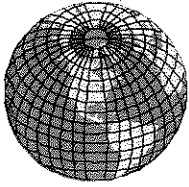
2.9 Business Tax Certificate

We currently hold Culver City Business tax certificate as a requirement for the on-going contract and we will continue to maintain it throughout the contracting period.

3. ADDITIONAL QUALIFICATIONS

- a) We have been certified as a Disadvantaged Minority Business Enterprise by the California Unified Certification Program (CUCP), Department of Transportation, Office of Business and Economic Opportunity (File Number 31232).
- b) Office of Small Business Certification and Resources, State of California has approved our company as a Small Business with less than 20 employees and annual revenue of less than \$2 million.
- c) Our company has also been certified as a participant in U. S. Small Business Administration's 8(a) Business Development Program.
- d) Our reputation among our colleagues and clients is widely known and is well accepted based upon our track record of having completed well over 6,000 projects. Our clients have retained our services to work on their more challenging projects; and on the detail of our field investigations (including regular downhole logging and other sophisticated techniques which are as/or more rigorous than other firms).
- e) Global Geo-Engineering, Inc. is committed to quality work, presented on a timely basis; and therefore have developed the reputation of working in close cooperation with the client and with the other consultants on the project team.

Letter of Transmittal



GLOBAL GEO-ENGINEERING, INC.

Letter of Transmittal

I am an authorized person to bind any contract including this one on behalf of Global Geo-Engineering, Inc. I have read the terms and conditions of the City of Culver City Request for Proposals, RFP #1642 dated April 2017.

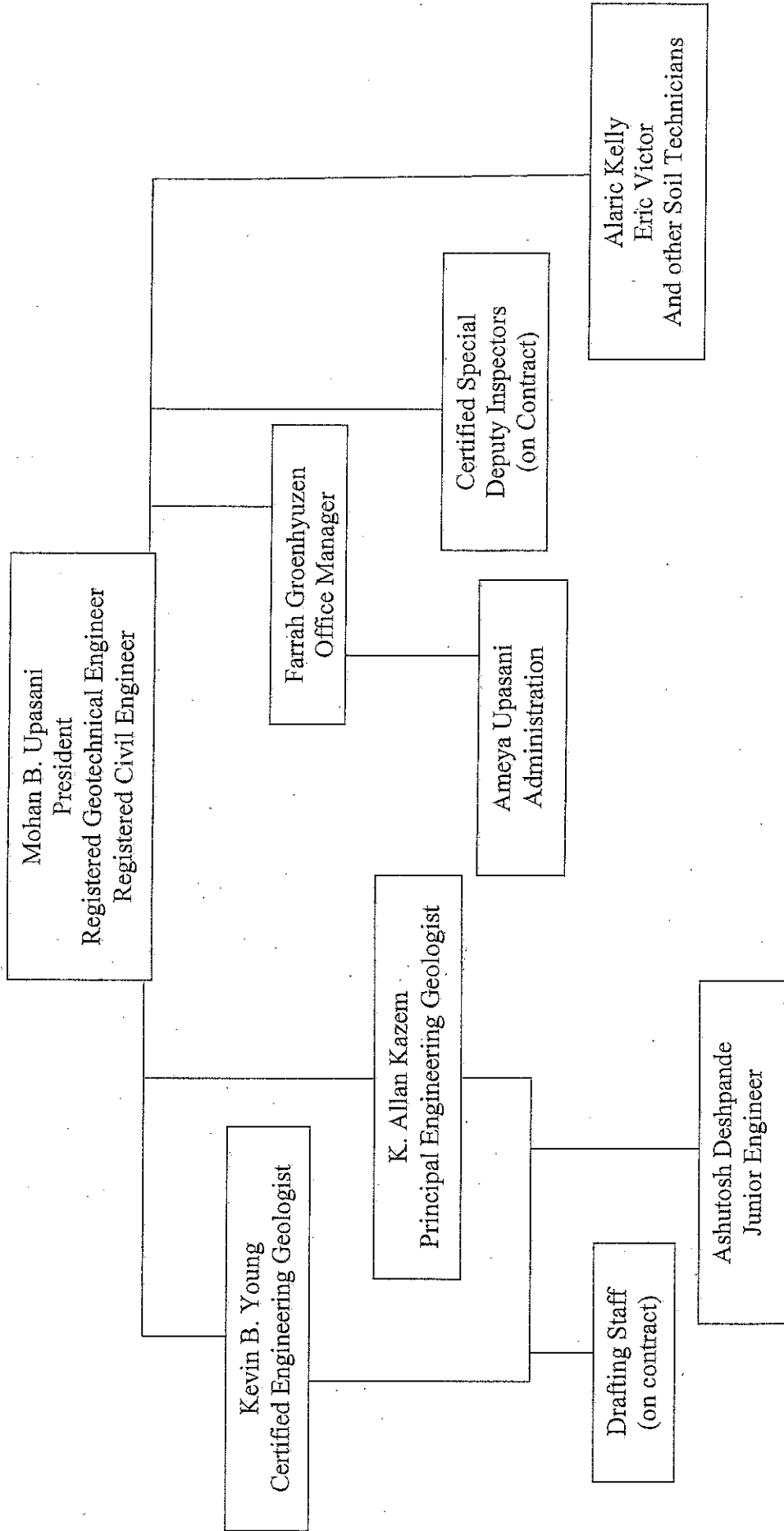
Sincerely,

A handwritten signature in black ink, appearing to read 'M. Upasani'.

Mohan B. Upasani
President

Organization Chart

ORGANIZATION CHART



Resumes

MOHAN B. UPASANI
PRINCIPAL GEOTECHNICAL ENGINEER

EDUCATION

Master of Science Degree in Civil Engineering, University of California, Irvine, 1982
Bachelor of Engineering Degree in Civil Engineering, University of Bombay, India, 1977

REGISTRATION

Registered Civil Engineer, State of California, No. 41196
Registered Geotechnical Engineer, State of California, No. GE 2301
Registered Civil Engineer, State of Nevada, No. 11760
Registered Professional Engineer/Civil, State of Hawaii, No. PE 12072
Registered Professional Engineer/Civil, State of Arizona, No. PE 47054

PROFESSIONAL HISTORY

2000-	President, Global Geo-Engineering, Inc., Tustin, California
1988-2000	Vice President and Chief Engineer, G. A. Nicoll and Associates, Inc., Irvine, California
1984-1988	Senior Engineer, G. A. Nicoll and Associates, Inc., Tustin, California
1983-1984	Senior Structural Engineer, Computech Engineering Services, Inc. Berkeley, California
1979-1981	Civil Engineer, Eastern Limited, Sharjah, United Arab Emirates
1977-1979	Foundation Engineer, Foundation Corporation of India, Bombay, India

EXPERIENCE

He has been responsible for overall engineering, business development and project management, and has managed over 2,500 geotechnical, environmental and materials testing projects. He has supervised staff including geologists, engineers, laboratory and field technicians, draftspersons and administrative personnel.

Projects have included single-family residences to multi-tract housing developments, commercial, industrial, refineries, roads and bridges, deep foundations, landslide stabilization, institutional and governmental, forensic, water and sewage treatment plants, transmission towers, water and sewer alignments, golf courses, and play fields. Also included were environmental clean-up projects and material testing services.

Geotechnical engineering duties included visits during field explorations, laboratory test assignments, review and analyses of field and laboratory data, providing design recommendations, review of daily reports by the field technicians and site visits during the grading and the construction phases, and responding to the governmental review sheets.

He has provided geotechnical services for several forensic investigations throughout California. The clientele included insurance carriers, homeowners and developers. He has appeared as an expert geotechnical witness in several depositions and court trials.

His business development duties included client contacts, liaison between client and governmental agencies, marketing and sales presentations, and proposal preparations.

Project management duties included cost control, scheduling and coordinating, meetings with the project team, billing and subcontracting, preparation of geotechnical reports for investigation and the construction phases.

Since 1995, he has been a member of a committee to develop geotechnical registration examinations for the State of California. The tasks include examination development, Item writing, weighting, field-testing, grading and establishing cut score for passing.

MOHAN B. UPASANI
PRINCIPAL GEOTECHNICAL ENGINEER

Prior Experience

In 1983, Mr. Upasani was a Senior Structural Engineer in Berkeley, California. He was responsible for structural dynamic analyses of various structures subjected to seismic loading, utilizing linear and non-linear finite element techniques. He was involved with a full-scale dynamic testing of masonry walls for San Onofre nuclear Generating Station, California.

He contributed to the development of a Static and Dynamic Analyses computer program, which was submitted to the National Science Foundation.

During 1979 to 1981, in United Arab Emirates, his duties as civil engineer included soil investigations and stabilization, scheduling and planning using Critical Path Network of labor, materials, plant and equipment, and construction-related administrative works.

In India, during the period from 1977 to 1979, he was a resident engineer in charge of the construction of two railroad bridges, assuming overall responsibility of the construction and administrative works. He was also involved in the soil investigations, design, planning and construction of the deep foundations for various structures.

DISTINCTIVE AWARDS

James Berkeley Gold Medal for Outstanding Academic Career during Bachelor of Engineering Course, 1977

HONORABLE DISTINCTIONS

State of California Geotechnical Engineering Review Board, 1995 -

KEVIN B. YOUNG
PRINCIPAL ENGINEERING GEOLOGIST

EDUCATION

West Virginia University, Morgantown, West Virginia, B.S. Geology, December 1983.

State University of New York – Oswego, Oswego, New York, August 1979 to May 1980.

PROFESSIONAL REGISTRATION AND CERTIFICATIONS

Certified Engineering Geologist, State of California, No. 2253

Registered Geologist, State of California, No. 7225

City of Los Angeles Deputy Inspector (Grading), September 1994 through September 2000

State of California Nuclear Testing gauge Certification Course, Tustin, California: Certification date, November 1988.

PROFESSIONAL HISTORY

Global Geo-Engineering, Inc., Tustin, California: Vice President and Principal Engineering Geologist, January 2001 to Present.

G.A. Nicoll & Associates, Inc., Irvine, California: Project/Senior Engineering Geologist, May 1989 to December 2000.

G.A. Nicoll & Associates, Inc., Irvine, California: Soils Technician/Staff Geologist, March 1988 to April 1989.

EXPERIENCE

Mr. Young has vast experience in all phases of geological and environmental sciences related to construction engineering. His scope of projects has included residential, commercial, industrial/retail, and landfills.

His responsibilities as a geologist have included budget management, preliminary project planning and preparation, field exploration and drilling, including extensive use with: Cone penetration testing, hollow-stem augers, mud-rotary drilling, bucket-auger drilling (down-hole-logging), and air percussion drilling. In conjunction with his responsibilities, he has conducted sampling and logging of borings, monitoring well construction, field mapping, engineering and geologic analyses, graphical presentations, laboratory data management, reporting and complete preparation of geotechnical reports.

Mr. Young's environmental experience has included, project management and field responsibilities related to numerous Phase I environmental assessments, Phase II environmental investigations and Phase III remedial projects. Project sites include oil refinery, commercial, industrial and residential sites. Phase I environmental assessments have included property owner/tenant representative interviews, collection and review of historical property data, such as historical aerial photographs and fire insurance maps; site reconnaissance; on-line environmental database records searches and reviews; report preparation and submittal. He has also conducted environmental investigations and monitoring studies as part of landfill closure studies and planned multi-family residential development sites. His management responsibilities have included analysis of field and laboratory data, interaction with governmental agencies, and technical report writing.

Mr. Young has also worked directly with other developers, project construction planners, and governmental agencies for the following types of projects: communication sites, high-rise office buildings, hotels, hospitals, universities, single and multi-family residential properties, multi-million cubic yard grading projects, sea bluff protection, oil refineries, landfills, and government sponsored test facilities. He has also conducted property evaluations and acted as third-party reviewer for planned development sites.

KEVIN B. YOUNG
PRINCIPAL ENGINEERING GEOLOGIST

Mr. Young's soil engineering and grading responsibilities have included monitoring and inspecting corrective grading operations, such as landslide and alluvial removals, temporary backcuts, keyway excavations, and subdrain installation. As a soils technician, Mr. Young has performed numerous testing and observation services on various earthwork projects, including retaining wall/pipeline backfill operations and pavement construction.

In addition, he has been responsible for inspection of numerous types of foundations including, driven piles, drilled caissons and piers, spread footings, and waffle footings. Mr. Young also has participated in many forensic construction defect

ALLAN KAZEM

PRINCIPAL ENGINEERING GEOLOGIST

EDUCATION

California State University Fullerton, Fullerton, California, B.S. Geology, December 1987.
California State University Long Beach, Long Beach California from 1983 to 1986.
Saddleback Community College, Mission Viejo, California, A.A., 1983.

PROFESSIONAL REGISTRATION AND CERTIFICATIONS

State of California Nuclear Testing Gauge Certification Course, Tustin, California: Certification date, November 1988.
Registered Geologist, State of California, No. 7225

Federal Environmental Management Agency approved, *Hazardous Materials Handling and response Certification Course*, OSHA 1910.120: Irvine, California, December 1990.

Cone Penetration Testing for Geotechnical Design and Seismic Liquefaction Analysis Course, *June 1994*.

Geosynthetic Products for Soil Enforcement: Mirafi Corporation Short Course, 1997.

PROFESSIONAL HISTORY

Global Geo-Engineering, Inc., Tustin, California: *Vice President and Principal Engineering Geologist*, January 2001 to Present.

Paratus, Inc., Santa Ana, California: *Senior Project Director, Principal Engineering Geologist*, July 2000 to January 2001.

G.A. Nicoll & Associates, Inc., Irvine, California: *Senior Engineering Geologist*, November 1988 to July 2000.

Bagahi Engineering, Newport Beach, California *Staff Geologist*, 1988

California State University Fullerton, Department of Geological Sciences, Fullerton, California: *Staff Geologist*, 1987.

Applied Geosciences, Inc. Tustin, California: *Staff Geologist*, 1985-1986.

South Coast Geological Services, Dana Point, California: *Staff Geologist/Soil Technician* 1984.

EXPERIENCE

Mr. Kazem has vast experience in all phases of geological and environmental sciences related to construction engineering. His scope of projects has included residential, commercial, industrial/retail, and landfills. In addition, Mr. Kazem has designed and developed drive-thru coffee shops in the southern California area,

His responsibilities as a geologist have included budget management, preliminary project planning and preparation, field exploration and drilling, including extensive use with: Cone penetration testing, hollow-stem augers, mud-rotary drilling, bucket-auger drilling (down-hole-logging), and air percussion drilling. In conjunction with his responsibilities, he has conducted sampling and logging of borings, monitoring well construction, field mapping, seismic safety analyses, and complete preparation of geotechnical reports.

Mr. Kazem has also worked directly with other developers, project construction planners, and governmental agencies for the following types of projects: high-rise office buildings, hotels, hospitals, universities, single and multi-family residential properties, multi-million cubic yard grading projects, sea bluff protection, oil refineries, landfills, and government sponsored test facilities. He has also acted as developer's representative during permitting, planning and city council interviews. He has also conducted property evaluations and acted as third-party reviewer for planned development sites.

ALLAN KAZEM

PRINCIPAL ENGINEERING GEOLOGIST

Mr. Kazem's soil engineering and grading responsibilities have included geotechnical observation of grading overexcavation and removal in bedrock, deep engineered fill and alluvial and Peat soil. In addition, he has been responsible for types of inspection of numerous types of foundations including, driven piles, drilled caissons and piers, spread footings, and waffle footings. Mr. Kazem also has participated in many forensic construction defect investigations and distress property inspections for litigation cases. He has recently concluded his role as Project Engineer, responsible for geotechnical/construction Quality Assurance and Quality Control for the one billion dollar *Clean Fuels Project* at the *Ultramar Refinery*, in Wilmington, California.

Mr. Kazem's environmental experience has included, project management and field responsibilities related to numerous Phase I environmental assessments, Phase II environmental investigations and Phase III remedial projects. Project sites, include, oil refineries, commercial, industrial and residential sites. He has also conducted methane gas and leachate migration investigations as part of landfill closure studies and planned multi-family residential development sites. His technical report writing, and initiating training of employees in the practices of Phase I and Phase II environmental techniques.

Mr. Kazem has conducted geologic observations, mapping and evaluation for several hundred sites throughout California, Nevada, Hawaii and Mexico. He is familiar with the utilization of the ground penetrating radar methods and Bouguer Anomaly interpretation in determining active, passive and seismic forces, cross-bore tomography, reverse imaging, reverse vertical seismic profiling, electro-magnetic gradiometers and electrical resistivity. Mr. Kazem has conducted recent geologic evaluations at the following tunnel U.S Custom and Border Protection seized sites:

Galvez Tunnel - (June, 2010) USCBP Project Number OTM120209, Otay Mesa, California;

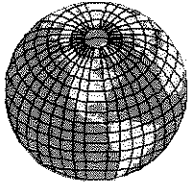
Marconi Tunnel - (March 2011), USCBP Project Number OTM112510, Otay Mesa, California;

M & M Tunnel - (March 2012), USCBP Project Number OTM111611, Otay Mesa, California.

He also has vast experience with assessing subsurface soil and geologic conditions relating to excavating conditions, considered essential in the process of evaluation and investigation of pre-detection of tunnel locations.

Mr. Kazem has extensive experience with the use of computers and computer software application, including use with IBM PC Macintosh, Basic Programming, word processing, (*Word and Word Perfect*), seismic analysis software, cone penetration testing and slope stability analysis software.

Fee Schedule



GLOBAL GEO-ENGINEERING, INC.

FEE SCHEDULE – (1-01/16)

GENERAL

GLOBAL GEO-ENGINEERING, INC, offers professional geotechnical engineering, environmental and materials testing services. Our objective is to provide the highest quality consulting services in our industry. Projects undertaken on a fee schedule basis will be based upon the following:

HOURLY RATES

Principal	\$180.00
Senior Associates	150.00
Project Associates	100.00
Staff Associates	90.00
Soil Technician	65.00
Soil Technician (city of Los Angeles and Prevailing Wage)	75.00
Laboratory Technician	65.00
Deputy Inspector	65.00
Deputy Inspector (City of Los Angeles and Prevailing Wage)	79.00
Special Inspection	79.00
Special Inspection (City of Los Angeles and Prevailing Wage)	90.00
Draftsperson and Secretary	50.00

Overtime will be charged at 1.5 times the hourly rate for hours worked over eight (8) hours in one day, or Saturdays. Sunday work will be charged at 2.0 times the hourly rate. Holiday rate will be 3.0 times hourly rates. Minimum Soil Technician, Geologist and Deputy Inspector, including travel is four (4) hours.

EXPENSES

- 1 Out of pocket expenses (aerial photographs, long distance telephone calls, bonds, and permits, etc.) will be charged at cost plus 10 percent.
- 2 Outside services (chemical tests, x-ray analysis, surveying, consultants) will be charged at cost plus 10 percent.
- 3 Drilling and exploration equipment will be charged at cost plus 10 percent. Current billing rates, exclusive of overtime, for drilling and travel to and from projects area as follows:
 - ☐ Field equipment, laboratory equipment and mileage charges are included in the hourly rates listed above.
 - ☐ Per Diem will be charged in accordance with the current federal regulations for personnel on out-of-area projects, requiring more than one day.

LITIGATION AND EXPERT WITNESS CONSULTATION OR TESTIMONY

Fees for special consultation and for services in connection with litigation are as follows:

Senior Associates \$500.00 per half day (min)

BILLING AND TERMS:

Invoices are generally issued on a monthly basis and are due upon receipt, unless alternate terms are pre-arranged. On all past due accounts not paid within 30 days of invoice date, a rate of 1.5 percent service charge, or a maximum allowed by law will be accrued. Any costs, including attorney's fees, incurred in the collection of delinquent accounts shall be paid by the client. To cover equipment and mobilization costs, 30 percent of the authorized fee for investigations, which include substantial exploration services, will be invoiced on authorization.

3 Corporate Park, Suite 270, Irvine, California 92606
Office (949) 221-0900 Fax (949) 221-0091
e-mail: global@globalgeo.net