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April 16, 2024
Proposal No. 24-03454

MR. JIGNESH LADHAWALA
COACHELLA VALLEY WATER DISTRICT
51501 TYLER STREET
COACHELLA, CALIFORNIA 92236

SUBJECT: Proposal for Construction Testing and Inspection Services
CVWD, Marriott Shadow Ridge, Low Pressure, and Emerald Desert NPW
Pipeline Projects
Various Locations
Palm Desert, California 92260

Dear Mr. Ladhawala:

In accordance with your request, Atlas Technical Consultants LLC (Atlas) is pleased to submit this proposal to address the requirements for compaction testing and materials testing in the project documents. The compaction testing services required for the project will consist of utility trench backfill, aggregate base, and asphalt placement.

Based upon our review of the project documents and experience on similar projects, we have estimated our service duration and fees. A construction schedule was not available for developing this estimate.

SCOPE OF WORK

Compaction Testing Services

Atlas' proposed scope of work for compaction testing will consist of:

- Periodic relative compaction testing of site fills and backfills
- Preparation of an As-Graded report as requested, summarizing our tests and observations of the grading and providing an opinion of whether the site has prepared for the structures

We will provide daily inspection reports describing the work inspected and stating compliance or non-compliance with the project documents. Atlas daily field reports will be sent to the requested recipients electronically daily. We will provide supervision of our project personnel by our project engineer, a Registered Civil Engineer. The project engineer will review reports and test results, attend site meetings as requested, and review billing. Additionally, the project engineer will act as a point of contact and will be available to answer questions that may arise.



FEE

Our budget estimate for services is based on our review of the project documents and past experience on similar projects.

We propose to provide our services on a time and materials basis according to the Schedule of Fees under Atlas' Professional Services Agreement with CVWD.

Based on the above scope, we estimate our fees to be approximately **\$129,230**. A cost table presenting a breakdown of our estimate has been provided in this budget estimate.

Notes:

- (1) Recognizing that our services are directly dependent upon the performance of others, we will invoice for services rendered at the specified unit rates for the quantities shown on the attached budget estimate. Unforeseen conditions, unfavorable weather, and other unanticipated conditions may affect the actual duration of the work. Services in addition to those described in this budget estimate may be requested by or on behalf of the client and will be invoiced on a time and materials basis at the unit rates outlined in this document.
- (2) The unit costs shown are based upon work taking place between the hours of 0600 and 1700; Monday through Friday, excluding nationally recognized holidays. Work performed on a Saturday or more than 8 hours on a given day will be invoiced at 1.5 times the standard rate. Work performed on Sunday or nationally recognized holidays will be invoiced at 2 times the standard rate. Unscheduled cancellations will be invoiced a minimum of 2 hours. All other terms and conditions shall be per our standard Schedule of Fees.

DEFINITION OF RESPONSIBILITY

The presence of our field representative will be for the purpose of observing the construction and reporting its general compliance with the approved plans and the applicable building codes. Our work does not include the supervision or direction of the contractor's work, their employees, or their agents. The contractor is responsible for their services, and neither the presence of our field personnel nor the observation and testing by this firm should excuse the contractor in any way for defects in their work. It should further be understood that we are not responsible for site safety. During the course of a subsurface investigation, heavy equipment may disrupt the site.

AUTHORIZATION

This budget estimate will be valid for 90 days. If this budget estimate meets with your approval, please authorize our services by signing the attached Client Services Agreement and returning it to our office. We will, in turn, send you a fully executed original for your records.

Atlas appreciates this opportunity to provide our professional services and is most interested in becoming a member of your consultant team. Atlas has considerable experience in successfully providing these services and we are confident that we can provide them in a timely and cost-effective manner. Should you have any questions regarding this budget estimate, or if we may be of further service, please contact the undersigned.



Respectfully submitted,
ATLAS TECHNICAL CONSULTANTS LLC

A handwritten signature in blue ink, appearing to read "Aklilu Y. Estifanos".

Aklilu Y. Estifanos, EIT
Project Manager
Aklilu.estifanos@oneatlas.com

AE:DM

Attachments: Budget Estimate Summary

Distribution: jladhawala@cvwd.org

A handwritten signature in blue ink, appearing to read "Dan Marino".

Dan Marino
Senior Client Services Manager
Daniel.marino@oneatlas.com

BUDGET ESTIMATE SUMMARY CONSTRUCTION TESTING SERVICES

	Estimated Hours/Unit		Rate/Unit	Total Cost
SPECIAL INSPECTOR/FIELD SERVICES				\$108,642.00
Soils				
Soils Technician (Group 1) - Utility Trench Backfill, Subgrade/Base/Asphalt	953 hours	@	\$114.00 /hour	\$108,642.00
PROJECT MANAGEMENT				\$10,685.00
Project Manager	55 hours	@	\$155.00 /hour	\$8,525.00
Administrative Assistant	27 hours	@	\$80.00 /hour	\$2,160.00
PROFESSIONAL STAFF				\$3,280.00
As-Built Reports			Lump Sum	\$3,280.00
MATERIALS LAB TESTING				\$6,623.00
Hveem - Maximum Bulk Specific Gravity (Cal308)	6 tests	@	\$315.00 /test	\$1,890.00
Maximum Density/Optimum Moisture - 4" (ASTM D698/D1557)	20 tests	@	\$210.00 /test	\$4,200.00
Maximum Density/Optimum Moisture - 6" (ASTM D698/D1557)	1 tests	@	\$231.00 /test	\$231.00
Sieve Analysis (Cal 202, ASTM C136, ASTM D422)	1 tests	@	\$116.00 /test	\$116.00
Expansion Index (ASTM D4289)	1 tests	@	\$186.00 /test	\$186.00
TOTAL FOR CONSTRUCTION TESTING SERVICES				\$129,230.00

ASSUMPTIONS - GENERAL

- 1 A construction schedule was not available for this estimate.
- 2 Plans and specifications were available for this estimate.
- 3 Assumes an 8-hour day at 5 days per week.
- 4 No overtime is scheduled.
- 5 No weekend work is scheduled.
- 6 This budget estimate reflects realistic amounts of inspection and testing at the **California State Prevailing Wage** inspection rate.
- 7 The client will be invoiced in 4 and 8 hour increments.
- 8 The hourly rate reflects an anticipated start date of 2024.
- 9 All work performed outside our scope of service will be invoiced per Atlas' Schedule of Fees.
- 10 Man hours were estimated assuming Atlas will provide periodic special inspection for the duration of the construction.
- 11 Assumes site concrete is non-structural and will not require special inspection and testing.