



Leighton Consulting, Inc.
A LEIGHTON GROUP COMPANY

January 30, 2020

Proposal No. TE20-014b

Perris Union High School District
Facilities Department, Second Floor
155 East Fourth Street
Perris, California 92570-2124

Attention: Mr. Hector Gonzalez

**Subject: Proposal for Geotechnical/Geologic Exploration
Proposed Paloma Valley High School Improvements
31375 Bradley Road, Menifee, California**

In accordance with your request, we are pleased to present this proposal to provide an geotechnical exploration for the subject project.

BACKGROUND AND PROJECT DESCRIPTION

Based on our review of in-house data/site-specific geotechnical reports, the site is underlain by fill materials ranging in depth from 5 to 10 feet. The fill is in turn underlain by older alluvial materials. Based on our review of the site plan provided by PJHM, we understand that the proposed improvements will consist of construction of a new pool and associated building, additions to buildings G and H as restrooms/lockers, a new Multi-Purpose Building, and addition to building I/administration building. The proposed buildings are expected to consist of single-story wood or steel structures with CMU walls.

The proposed pool facility site is currently occupied by the playground area and shade structures, just east of the football field. The proposed Multi-Purpose building is currently occupied by shade structures and hardscape.

PROPOSED SCOPE OF WORK

Based on the above and our understanding of DSA IR A-4 and the project description provided, a new or updated geologic hazard report is required for this school site for submittal by the District/Applicant with the California Geological Survey (CGS). In order to properly characterize the site for remedial grading recommendations and comply with CGS Note 48 guidelines as to the required number of borings based on the assumed

square-footage, we propose additional borings to supplement previous explorations and verify current near surface soils conditions. As such, we propose the following tasks:

Task 1 – Field Exploration

Leighton will drill/excavate 10 to 12 borings within accessible areas of the site to a depth of 10 to 20 feet below ground surface (BGS) or refusal. One boring will extend to 50 feet, or refusal, to verify depth of existing fill and potential for liquefaction or use previous deep borings performed on this site. The borings will be advanced by a truck mounted hollow-stem auger drill rig and completed in one day. Upon completion of excavation, we will backfill the borings with soil cuttings. Prior to excavation, we will mark and coordinate the location of the proposed borings with Underground Service Alert (USA). Leighton is not responsible for damage to underground utilities if not identified prior to our field exploration.

Task 2 – Laboratory Testing and Geotechnical Analyses

Laboratory tests will be performed on selected, representative soil samples to supplement previous site work and determine pertinent engineering properties. Laboratory testing may include: 1) In-situ moisture and density, 2) Expansion Potential, 3) Gradation, 4) sulfate content, 5) Plasticity Index, 6) Maximum dry density and optimum moisture content and 7) Collapse Potential. Geotechnical data analyses will consist of review of existing in-house data and analyses of the collected data by our Geotechnical Engineer.

Task 3 – Report Preparation

Leighton will prepare a geohazard report to support the design and construction of the proposed improvements. The report will be signed and stamped by a California licensed Geotechnical Engineer (GE) and Engineering Geologist (CEG).

OPTIONAL/PROVISIONAL SERVICES

Option 1 - Utility Locator

We will contact Underground Service Alert (USA) and coordinate with school staff prior to beginning fieldwork so that registered/known public utilities in the area of subsurface explorations will be marked. We recommend a private utility locator to help reduce the risk of damaging underground utilities during subsurface exploration, especially at alignments where little information is available regarding existing underground utilities. If desired, we can subcontract a private utility locator which is provided as optional task.

Option 2 - Plans and Specifications Review

Upon request, Leighton can review draft foundation plans and specifications pertaining to the geotechnical aspects of the project and respond to CGS review comments, if needed.

SCHEDULE

We are prepared to begin this work upon receiving your written authorization. Depending on exploration equipment availability, field exploration may begin five to ten working days after we receive written authorization for this work and legal access to the site. This mobilization time can be reduced if we are provided advanced notice of your intent to proceed with this work. The fieldwork can be completed in 1 day. Laboratory testing, analysis and report preparation will take about two to three weeks. Thus, we anticipate that our report will be available within approximately five to six weeks after the notice to proceed has been issued. Project briefings can be provided to you as the data is developed, if requested.

FEE AND TERMS

Leighton will conduct the geotechnical evaluation services described above for a Fixed Fee of **\$14,400**, plus the optional tasks as further described in table below:

GEOTECHNICAL TASKS AND ASSOCIATED FEES

Services:	Task Description:	Estimated Fee (\$)
Task 1 -	Project Review / Field Coordination and Drilling 8 to 9 Geotechnical Borings (10 to 50 feet)	6,500
Task 2 -	Lab Testing as indicated in Proposal	3,300
Task 3 -	Engineering Analyses, Drafting and Report Preparation	4,600
	Total required Tasks =	\$14,400
<i>Option 1</i>	<i>Private Utility Locator (Pool and Building Areas) including Coordination and Management</i>	<i>\$1,200</i>
<i>Option 2</i>	<i>Geotechnical Review of Foundation Plans and Specifications</i>	<i>\$1,500</i>

For the purpose of budget control and time schedule, the following is assumed and understood:

- District personnel familiar with site underground utilities will be available to review/approve access to location of proposed borings.
- Some utilities may be “untraceable” and Leighton or its subcontractor shall not be liable for any loss or damages due to undetected utilities.

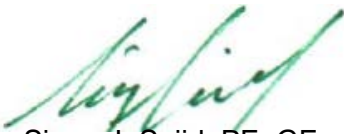
- No inclement weather or environmental issues are to preclude drilling. This project is subject to the Prevailing Wage Law.
- Legal access to the site will be provided and the field investigation can be performed on weekdays (7 AM to 5 PM).

Services requested in addition to the above-described scope of work including requested project team meetings, additional utility location services, plan reviews or response to Agencies comments will be invoiced on a time-and-expense basis in accordance with our Fee Schedule. Prior to performing additional services, a cost estimate will be provided.

We appreciate the opportunity to be of continued service and involvement in this project. If you have any questions, please contact us at your convenience.

Respectfully submitted,

LEIGHTON CONSULTING, INC.



Simon I. Saiid, PE, GE
Principal Engineer

Attachment: Scope of Work Agreement

Distribution: (1) addressee (PDF via email)

SCOPE OF WORK AGREEMENT

This Scope of Work, effective January 30, 2020, is, upon execution of the Parties, incorporated as Scope of Work Number ___ under Master Service Agreement No. C72380M by and between Leighton Consulting, Inc. and Perris Union High School District ("CLIENT").

PROJECT LOCATION: Proposed Paloma Valley High School Improvements, 31375 Bradley Road, Menifee, California.

DESCRIPTION OF SERVICES: Proposal for Geotechnical/Geologic Exploration.

LEIGHTON CONSULTING:
Leighton Consulting, Inc.
41715 Enterprise Circle N, Suite 103
Temecula, California 92560
Telephone: 951.296.0530
Facsimile: 951.296.0534
Prime Contact: **Mr. Simon Saïd**

CLIENT:
PERRIS UNION HIGH SCHOOL DISTRICT
155 East Fourth Street
Perris, California 92570-2124
Telephone: 951.943.9396
email: hector.gonzalez@puhsd.org
Prime Contact: **Mr. Hector Gonzalez**

FEE: The Services shall be undertaken on a fixed-fee of **\$14,400**, payable upon receipt of invoice, **plus any authorized optional tasks listed below.**

			Initial to Authorize
Option 1	Private Utility Locator (Pool and Building Areas) including Coordination and Management	\$1,200	
Option 2	Geotechnical Review of Foundation Plans and Specifications	\$1,500	

I have reviewed and agree to this scope of work.

LEIGHTON CONSULTING, INC.

PERRIS UNION HIGH SCHOOL DISTRICT
(client)



By (Signature)

By (Signature)

Simon I. Saïd

(Print Name)

(Print Name)

1/30/20

Date

Date

CLIENT ACKNOWLEDGES THAT IT HAS READ AND UNDERSTANDS THE DOCUMENT ENTITLED "INFORMATION FOR CLIENTS REGARDING LEIGHTON CONSULTING'S SERVICES"

