

January 30, 2026

Lynwood Unified School District
11321 Bullis Road
Lynwood, California 90262

Attention: Dr. Gretchen Janson
Asst. Superintendent Business Services

Subject: Addendum to Report of Geotechnical Investigation
Proposed Athletic Field Renovation
Lynwood High School
4050 E Imperial Highway
Lynwood, California
GPI Project No. 3328.I

Dear Gretchen:

This addendum letter provides supplemental geotechnical recommendations regarding pole supported structures associated with the subject project. This letter also clarifies earthwork recommendations applicable to the planned synthetic turf fields. The supplemental recommendations are based on our review of the Pre-check and preliminary drawings for the pole supported structures by the project vendors and additional information provided by the individual Structural Engineers and the Project Architect.

BACKGROUND

Geotechnical Professional Inc. (GPI) previously conducted a geotechnical investigation for the proposed improvements and presented the results in our report dated October 3, 2025 (GPI, 2025). The referenced report was approved by California Geologic Survey (CGS) in their letter dated January 29, 2026 (CGS Application No. 03-CGS7190).

The proposed pole supported structures for the project will include tall Musco lights, score boards, dugout shade structures, and fencing. Fencing will range from less than 10 feet in height to 60 feet in height around the baseball and softball fields. We understand each of these structures will be supported on drilled pier (cast-in-drilled hole) foundations. Recommendations for pole supported structures were provided in our referenced geotechnical investigation report. Supplemental recommendations for each of the structures are presented in the following sections.

SUPPLEMENTAL RECOMMENDATIONS

Dugout Shade Structures/Metal Cantilever Structures

We understand that the ground surface in the vicinity the dugout shade structures will be paved with concrete hardscape following preparation of the subgrade in accordance with our referenced geotechnical report. Updated recommendations for design of drilled piers supporting the dugout canopy structures are provided below. The updated recommendations allow for use of a lower bound design value for the upper recompacted and underlying existing fill below the ground surface for these structures.

Accordingly, for design of the dugout shade structures by the simplified pole formula presented in Section 1807A.3.2.1 of the 2022 CBC, a unit passive resistance of 100 pounds per square foot per foot may be used for the piers with level ground in lieu of the presumptive lateral bearing values presented in Table 1806A.2. We recommend a unit passive resistance of 200 pounds per square foot per foot be used for isolated piles that can tolerate 1/2-inch of deflection under short-term loads. We recommend that the upper 1 foot of the subgrade soils below ground surface be ignored in determining the required depth of embedment for lateral and/or axial capacity.

Score Boards and Tall Fencing

Updated recommendations for design of drilled piers supporting the score boards and tall fencing (fencing 10 feet or higher) for the project are provided below based on review of the vendor drawings and discussions with the Structural Engineers. We understand these structures will be placed in areas where the subgrade soils will be reworked and prepared to support hardscape and synthetic turf systems in accordance with our referenced geotechnical report. The updated recommendations presented herein allow for use of a lower bound design value for the upper recompacted fill and underlying existing fill below the ground surface for these structures following earthwork for the project.

Accordingly, for design of the score boards and tall fencing by the simplified pole formula presented in Section 1807A.3.2.1 of the 2022 CBC, a unit passive resistance of 100 pounds per square foot per foot may be used for the piers with level ground in lieu of the presumptive lateral bearing values presented in Table 1806A.2. We recommend a unit passive resistance of 200 pounds per square foot per foot be used for isolated piles that can tolerate 1/2-inch of deflection under short-term loads. For the scoreboards and tall fencing, the above design values are applicable from a depth of 1 foot below ground surface to a depth of at least 5 feet below ground surface. We recommend that the upper 1 foot of the subgrade soils below ground surface be ignored in determining the required depth of embedment for lateral and/or axial capacity. Below a depth of 5 feet, the respective unit passive resistance design values of 250 and 500 pounds per square foot per foot may be used for the piers as recommended in our referenced geotechnical report.

Musco Light Poles and Fencing less than 10 feet in Height

Based on our review of the referenced plans and discussions with the Structural Engineers, we understand the Musco Light pole foundations and the foundations for fences with heights of less than 10 feet were designed in accordance with the referenced

geotechnical report. Accordingly, no additional or supplemental recommendations are necessary.

Synthetic Field Subgrade Preparation

Our referenced geotechnical report did not specifically address subgrade preparation for synthetic fields. We recommend the earthwork recommendations for exterior hardscape and pavements be used for the planned synthetic turf fields.

CLOSING AND LIMITATIONS

With the exception of the supplemental recommendations presented in this letter, the conclusions and recommendations presented in our referenced geotechnical report remain valid.

We trust that this letter satisfies your current needs. Feel free to call us if you have questions regarding this letter or need further assistance. The conclusions and recommendations included in this addendum letter are subject to the same limitations as presented in our October 3, 2025 report.

Very truly yours,
Geotechnical Professionals Inc.


Dylan J. Boyle, G.E.
Associate
Dylanb@gpi-ca.com




Justin J. Kempton, G.E.
Principal
JustinK@gpi-ca.com



REFERENCES

California Geologic Survey (CGS), Engineering Geology and Seismology Review for Lynwood High School – New Team Building, 4050 E. Imperial Hwy, Lynwood, CA, CGS Application No. 03-CGS7190, dated January 29, 2026.

Geotechnical Professionals Inc. (2025), "Report of Geotechnical Investigation, Proposed Athletic Field Renovation, Lynwood High School, 4050 E Imperial Highway, Lynwood, California" GPI Project No. 3328.I, dated October 3, 2025.