

May 10, 2023

Centurion Plaza, LLC
36 Deep Sea
Newport Beach, California 92657



SOUTHERN
CALIFORNIA
GEOTECHNICAL
A California Corporation

Attention: Mr. Kevin Moshayedi

Project No.: **23G137-2**

Subject: **Storm Water Infiltration**
Proposed Industrial Development
15661 Red Hill Avenue
Tustin, California

Reference: Geotechnical Investigation, Proposed Industrial Development, 15661 Red Hill Avenue, Tustin, California, prepared for Centurion Plaza, LLC, by Southern California Geotechnical, Inc. (SCG), SCG Project No. 23G137-1.

Mr. Moshayedi:

In accordance with the request made by representatives from the project civil engineer, Thienes Engineering, Inc. (TE), we have prepared this letter to comment on the feasibility for storm water infiltration at the subject site.

Based on information provided by TE, we understand that the site is located within the "South Basin Groundwater Protection Project," and infiltration is not allowed in this area. Furthermore, the subsurface conditions encountered at the borings drilled during the referenced geotechnical investigation are not conducive to liquefaction. The soils encountered at the borings consist of silty soils and medium expansive clays. Based on their composition, these soils possess low permeability. Groundwater was encountered at a depth of 16± feet during drilling. Typically, a vertical separation of at least 10 feet is required between the bottom of the infiltration system and the elevation of the groundwater table. It should be noted that the historic high depth to groundwater is about 10 feet, as discussed in Section 4 of the referenced report. Based on all of these conditions, on-site storm water infiltration is not considered feasible and is not recommended for this project.

We sincerely appreciate the opportunity to be of service on this project. We look forward to providing additional consulting services during the course of the project. If we may be of further assistance in any manner, please contact our office.

Respectfully Submitted,

SOUTHERN CALIFORNIA GEOTECHNICAL, INC.



Jamie Hayward
Staff Geologist



Daniel W. Nielsen, GE 3166
Senior Engineer

Distribution: (1) Addressee

