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August 6, 2026

Project No. 49584

City of Santee
10601 Magnolia Avenue
Santee, California 92071

Attention: Antonio Sandoval

**Subject: Geotechnical Update Letter
Proposed Operations Center Vector Decanting Station CIP 2023-32
9534 Via Zapador
Santee, California**

Reference: Associated Society of Civil Engineers (ASCE), 2025, ASCE/SEI 7-22, Minimum Design Loads for Buildings and Other Structures.

ASCE, (2026). ASCE Hazard Tool. <https://ascehazardtool.org/>

California Building Standards Commission, 2025, 2025 California Building Code (CBC), California Code of Regulations, Title 24, Part 2, Volume 2 of 2, Based on 2024 International Building Code, Effective January 1, 2026.

Leighton Consulting, Inc, 2024, Update Geotechnical Investigation, Proposed Site Improvements, 9534 Via Zapador, Santee, California, Project No. 21762, dated April 1, 2024.

Introduction

Verdantas Inc. (formerly Leighton Consulting, Inc.) has reviewed the above-referenced geotechnical report dated April 1, 2024 that included recommendations for the proposed operations center vector decanting station. We agree with the data, conclusions, and recommendations presented in the report. This letter serves as formal notice to all parties concerned that Verdantas Inc. (Verdantas) assumes the role as the Geotechnical Engineer of Record for the project and that the data conclusions and recommendations presented in the report is valid for the proposed development with the following exceptions:

2025 California Building Code Mapped Spectral Acceleration Parameters

Utilizing the 2025 California Building Code (CBC) and ASCE 7-22 Section 20.1 procedures, the most critical site condition of Site Class C, CD, and D were determined. The effect of seismic shaking may be mitigated by adhering to the CBC, ASCE 7-22, and state-of-the-art seismic design



practices of the Structural Engineers Association of California. Provided in Table 1 are the spectral acceleration parameters for the project determined in accordance with the 2025 CBC (CBSC, 2025) and the ASCE Hazard Tool web application (2026).

Table 1. 2025 CBC Mapped Spectral Acceleration Parameters

Site Class	Most Critical of C, CD & D		
Mapped MCE Spectral Accelerations	S_s	=	0.89g
	S_1	=	0.28g
Site Modified MCE Spectral Accelerations	S_{MS}	=	1.19g
	S_{M1}	=	0.75g
Design Spectral Accelerations	S_{DS}	=	0.79g
	S_{D1}	=	0.5g
Peak Ground Acceleration	PGA_M	=	0.44

Closure

If you have any questions regarding this letter, please do not hesitate to contact this office. We appreciate this opportunity to be of service.

Respectfully submitted,

Verdantas Inc.



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