

June 16, 2021

Project No. 161459-51A

Mr. Warren Williams
Silver Oaks Development, Inc.
8175 East Kaiser Boulevard
Anaheim Hills, CA 92808

Subject: Geotechnical Review of Foundation Plans and Structural Calculations, For RV Storage and Propane (LP Gas) Bulk Plant Facility, Assessor's Parcel Number 909-060-044, Located on Adams Avenue, City of Murrieta, Riverside County, California

Reference: Coleman Geotechnical., 2007, *Geotechnical Feasibility Investigation, 10 Acre Parcel, Northeast Side of Adams Avenue, about 1,000 Feet Southeast of Fig Street, Murrieta, California*, dated May 31.

Earth Strata Geotechnical Services, Inc., 2020, *Geotechnical Evaluation of Onsite Soils, Assessor's Parcel Number 909-060-044, Located on Adams Avenue, City of Murrieta, Riverside County, California*, dated December 3.

Pursuant to your request, Earth Strata Geotechnical Services has reviewed the foundation plans prepared by Saddles for Storage Tank by CYTSA, dated March 28, 2014; Sheets 1 and 2 of 2 LPG Ventures by Flat Pier Assy, dated October 5, 2010; Structural Calculations for a 30,000-gallon LPG Tank by Ransome Manufacturing, undated; for the LP Gas Bulk Plant Facility and Preliminary Grading Plan by JMM Consultant, dated March 12, 2001. The purpose of our review was to evaluate the plans with regard to the geotechnical recommendations outlined in the referenced reports. Our review indicates that the geotechnical recommendations outlined in the referenced reports have been incorporated into the aforementioned plans.

The soil bearing pressure required is 700 pounds per square foot (psf) for stability of the propane tanks. The upper 2 feet of soil should be compacted to 90% of ASTM D 1557 which will enable the soil bearing pressure for the tank foundations to be in excess of 1,000 psf.

The opportunity to be of service is appreciated. Should you have any questions or require further clarification, please notify our office at your earliest convenience.

Respectfully submitted,

EARTH STRATA GEOTECHNICAL SERVICES, INC.



Stephen M. Poole, PE, GE
Principal Engineer



SMP/mw

Distribution: (2) Addressee

June 16, 2021

Project No. 161459-35A

Mr. Warren Williams
Silver Oaks Development, Inc.
8175 East Kaiser Boulevard
Anaheim Hills, CA 92808

Subject: Geotechnical Evaluation of Onsite Soils, For RV Storage and Propane (LP Gas) Bulk Plant Facility, Assessor's Parcel Number 909-060-044, Located on Adams Avenue, City of Murrieta, Riverside County, California

Reference: Coleman Geotechnical., 2007, Geotechnical Feasibility Investigation, 10 Acre Parcel, Northeast Side of Adams Avenue, about 1,000 Feet Southeast of Fig Street, Murrieta, California, dated May 31.

Pursuant to your request, Earth Strata Geotechnical Services has evaluated the proposed driveways for use as a fire access roads upon completion of compaction of the subject site located on the east side of Adams Avenue and south of Fig Street in the City of Murrieta, Riverside County, California. For RV Storage and Propane (LP Gas) Bulk Plant Facility Earth Strata Geotechnical Services will perform soil testing during construction where all tests will be in excess of 95% compaction based upon ASTM D 1557 at the subject site. We are recommending that the driveways will be suitable for use as a fire access road and can withstand a 75,000-pound fire truck in all weather conditions upon completion of construction.

The opportunity to be of services is appreciated. Should you have any questions or require further clarification, please notify our office at your earliest convenience.

Respectfully submitted,

EARTH STRATA GEOTECHNICAL SERVICES, INC.



Stephen M. Poole, PE, GE
Principal Engineer



SMP/mw

Distribution: (2) Addressee

June 16, 2021

Project No. 161459-10A

Mr. Warren Williams
Silver Oaks Development, Inc.
8175 East Kaiser Boulevard
Anaheim Hills, CA 92808

Subject: **Proposed Mass Grading, Assessor's Parcel Number 909-060-044, 10-Acre Parcel, For RV Storage and Propane (LP Gas) Bulk Plant Facility, Northeast Side of Adams Avenue, Southeast of Fig Street, City of Murrieta, Riverside County, California**

Reference: Coleman Geotechnical, 2007, *Geotechnical Feasibility Report, 10-Acre Parcel, Northeast side of Adams Avenue, about 1000 Feet Southeast of Fig Street, Murrieta, CA (JN 2692)*, dated May 31.


Earth Strata Geotechnical Services has reviewed the referenced report by Coleman Geotechnical for the approximately 10-acre parcel located on the northeast side Adams Avenue approximately 1000-feet southeast of Fig Street, Assessor's Parcel Number 909-060-044, in the City of Murrieta, Riverside County, California. The site conditions described in the referenced report accurately reflect existing site conditions observed by Earth Strata.


Earth Strata Geotechnical Services appreciates the opportunity to offer our consultation and advice on this project. In the event that you have any questions, please do not hesitate to contact the undersigned at your earliest convenience.

Respectfully submitted,

EARTH STRATA GEOTECHNICAL SERVICES


Stephen M. Poole, PE, CEG
Principal Engineer




Aaron G. Wood, PG, CEG
Principal Geologist

SMP/agw

Distribution: (2) Addressee