



Sladden Engineering

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July 21, 2021

Project No. 644-20047
21-07-082

PVR Management, LLC
c/o Camfield Partners, LLC
8895 Research Drive, Suite 200
Irvine, California 92618

Project: Proposed Recovery Facility
Paradise Valley Ranch
43700 Cactus Valley Road
Hemet Area
Riverside County, California

Subject: Emergency Vehicle Access

Ref: Geotechnical Investigation report prepared by Sladden Engineering dated March 18, 2021; Project No. 644-20047, Report No. 21-03-025

This memo has been prepared to provide recommendations for the design of on-site emergency vehicle access roadways within the Paradise Valley Ranch property located at 43700 Cactus Valley Road in the Hemet area of Riverside County, California. In order to develop recommendations for on-site roadway design, the surface soil within the existing unpaved access roads was sampled for R-Value determination. The surface soil within the access roadway areas consists primarily of fine to coarse grained silty sand (SM). The native subgrade soil was subjected to R-Value testing in the laboratory in accordance with California Test Method 301. Testing indicated an R-Value of 76 by exudation pressure and an R-Value of 80 by expansion pressure. Graphic representations of the test results are attached.

Based upon the generally favorable site soil conditions and our understanding of the proposed site use, it is our opinion that the existing roadway consisting of compact native subgrade soil will provide adequate all-weather support for fire and emergency vehicles (up to 60,000 pounds). Periodic maintenance will be required to correct surface disturbance and erosion during significant rainfall events. The native subgrade soil throughout the emergency vehicle access roadway areas should be compacted to at least 95 percent relative compaction. Compaction should be verified by testing.

It should be noted that a significant portion of Cactus Valley Road just west of the subject property remains unpaved and the roadway surface is comprised of compact native silty sand very similar to the on-site driveways/roadways.

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If you have any questions regarding this memo or the above referenced report, please contact the undersigned.

Respectfully submitted
SLADDEN ENGINEERING



Brett L. Anderson
Principal Engineer

Letter/nh



Copies 4/Addressee



Sladden Engineering

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RESISTANCE 'R' VALUE AND EXPANSION PRESSURE

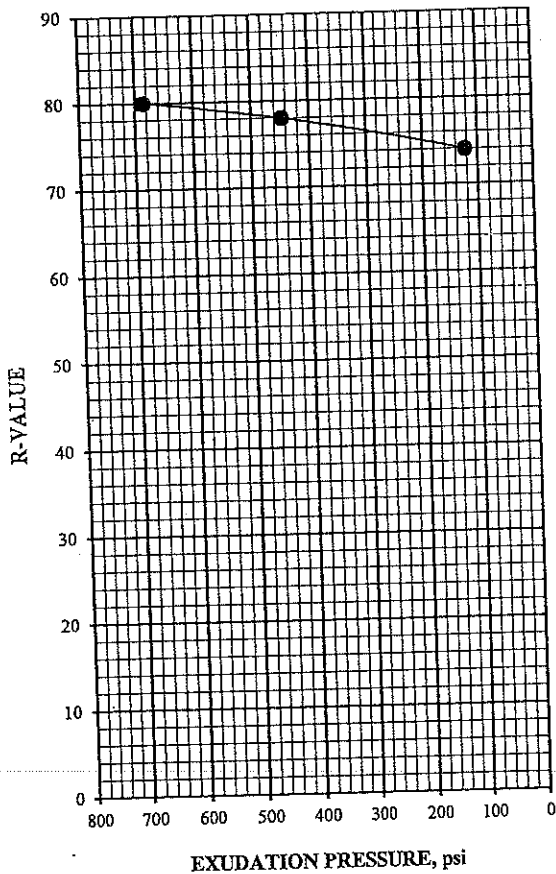
CTM 301

February 16, 2021

Project Number: 644-20047
 Project Name: Paradise Valley Ranch
 Lab ID Number: LN1-21047
 Sample ID: Main Driveway
 Sample Description: Dark Olive Brown Silty Sand (SM)
 Specified Traffic Index: 5.0

Dry Density @ 300 psi Exudation Pressure: 122.0-pcf
 %Moisture @ 300 psi Exudation Pressure: 8.9%
 R-Value - Exudation Pressure: 76
 R-Value - Expansion Pressure: 80
 R-Value @ Equilibrium: 76

EXUDATION PRESSURE CHART



EXPANSION PRESSURE CHART

