



ENTECH
ENGINEERING, INC.

505 ELKTON DRIVE
COLORADO SPRINGS, CO 80907
PHONE (719) 531-5599
FAX (719) 531-5238

ACCEPTED for FILE
Engineering Review
05/04/2023 10:46 AM
Elizabeth Nijkamp, PE
EPC Department of Public Works

May 1, 2023

Tech Contractors
3575 Kenyon Street, Suite 200
San Diego, California 92110

Attn: Raul Guzman

Re: Cement Stabilized Subgrade Results - Laboratory Testing
The Sanctuary at Meridian Ranch Filing 1, Phase 1
El Paso County, Colorado

Ref: Pavement Recommendations Report by Entech Engineering, Inc., dated April 27,
2023, Entech Job No. 230532

Dear Mr. Guzman:

As requested, personnel of Entech Engineering, Inc. have performed strength testing on two sets of soil/cement composite samples for the above reference project. Testing was performed on soil samples prepared with 2% and 4% Portland Cement Type 1/2, from Martin Marietta, near Pueblo, Colorado.

A minimum compression strength of 125 psi is recommended for cement stabilized subgrade. The 5-day average strength values of the 2% mix was 180 psi. The 5-day average strength values of the 4% mix was 197 psi. A 2% mix is recommended based on the laboratory test results. A summary of the testing results is attached.

Pending the results of the field density testing, microfracturing of the stabilized subgrade may be required. Soil strengths in excess 275 psi require microfracturing.

We trust this has provided you with the information you required. If you have any questions or need additional information, please do not hesitate to contact us.

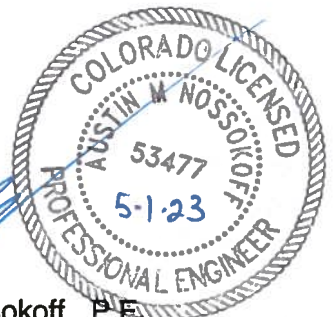
Respectfully Submitted,

ENTECH ENGINEERING, INC.

Daniel P. Stegman

Reviewed by:

Austin M. Nossokoff, P.E.



DPS/khs

Encl.

Entech Job No. 230532

AAprojects/2023/230532/230532 cssr — lab