



**ENTECH**  
ENGINEERING, INC.

505 ELKTON DRIVE  
COLORADO SPRINGS, CO 80907  
PHONE (719) 531-5599  
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October 26, 2021

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

Attn: Raul Guzman

Re: Cement Stabilized Subgrade – Field Tests  
Rolling Hills at Meridian Ranch, Filing No. 1, Phase 2  
El Paso County, Colorado

Dear Mr. Guzman:

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

The average 6 and 7-day strength values of the 2% mix were 238 and 228 psi, respectively. Due to the strength, microfracturing of the subgrade is recommended. A summary of the testing results is attached.

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

DPS/bs

Entech Job No. 202471  
AAprojects/2020/202471 css- field test

Reviewed by:

Joseph C. Goode, Jr.  
President



## SUMMARY OF CTS TEST RESULTS FIELD TESTING

CLIENT TECH CONTRACTORS  
 PROJECT ROLLING HILLS, FILING 1  
 FIELD SAMPLE ID ON-SITE  
 SOIL ADDITIVE TYPE III CEMENT

JOB NO 202471  
 DATE 10/25/21  
 BY BL

<i>ADDITIVE %</i>	<i>WATER %</i>	<i>DENSITY (dry)</i>	<i>AGE (days)</i>	<i>STRENGTH (psi)</i>
<b>ROLLING PEAKSK, STA 11+00</b>				
2	10.2	131.6	7	246
2	10.2	132.7	7	214
2	10.2	133.1	7	224
<b>AVERAGE:</b>				<b>228</b>
<b>EVENING CREEK, STA 30+00</b>				
2	11.3	131.6	6	270
2	11.3	131.2	6	229
2	11.3	125.3	6	216
<b>AVERAGE:</b>				<b>238</b>

**CURING METHOD**

100° HUMIDIFIED OVEN