



**ENTECH**  
ENGINEERING, INC.

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COLORADO SPRINGS, CO 80907  
PHONE (719) 531-5599  
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September 16, 2021

Classic Communities  
2138 Flying Horse Club Drive  
Colorado Springs, Colorado 80921

Attn: Adam Doyle

Re: Cement Stabilized Subgrade – Field Tests  
Midtown at Hannah Ridge Filing No. 2  
Colorado Springs, Colorado

Dear Mr. Doyle:

As requested, personnel of Entech Engineering, Inc. have performed strength testing on three sets of three 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-day strength values of the 2% mix ranged from 201 to 317 psi. 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,

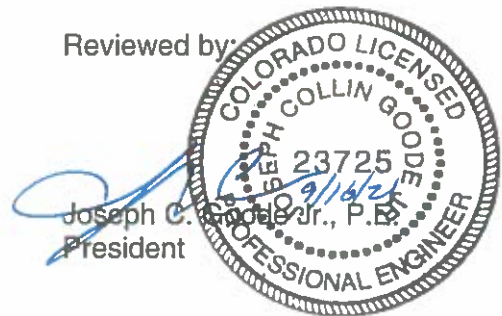
ENTECH ENGINEERING, INC.

Daniel P. Stegman

DPS/bs

Entech Job No. 200511  
AAprojects/2020/200511 css- field test

Reviewed by:



Joseph C. Goode Jr., P.E.  
President

## SUMMARY OF CTS TEST RESULTS FIELD TESTING

CLIENT CLASSIC COMMUNITIES  
 PROJECT MIDTOWN @ HANNAH RIDGE, FILING 2  
 FIELD SAMPLE ID ON-SITE  
 SOIL ADDITIVE TYPE I/II CEMENT

JOB NO 200511  
 DATE 9/16/21  
 BY BL

<b>ADDITIVE %</b>	<b>DATE DAMPLED</b>	<b>WATER %</b>	<b>DENSITY (dry)</b>	<b>AGE (days)</b>	<b>STRENGTH (psi)</b>
<b>PONY CLUB LANE</b>					
2	9/10/21	15.3%	115.6	6	301
2	9/10/21	15.3%	118.9	6	330
2	9/10/21	15.3%	116.7	6	321
AVERAGE					317
<b>GHOST RIDER HEIGHTS</b>					
2	9/10/21	14.5%	115.6	6	283
2	9/10/21	14.5%	115.7	6	251
2	9/10/21	14.5%	115.9	6	277
AVERAGE					270
<b>ZORRO HEIGHTS</b>					
2	9/10/21	16.1%	111.8	6	214
2	9/10/21	16.1%	113.2	6	193
2	9/10/21	163.1%	49.4	6	195
AVERAGE					201

**CURING METHOD**

100° HUMIDIFIED OVEN