

November 11, 2021



ENTECH
ENGINEERING, INC.

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

FLRD #6
2138 Flying Horse Club Drive
Colorado Springs, CO 80921

Attn: Jim Boulton

Re: Cement Stabilized Subgrade – Field Tests
Forest Lakes Residential Development, Filing 6
Colorado Springs, Colorado

Dear Mr. Boulton:

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 5-day average strength value of the 2% mix ranged from 196 to 420 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.

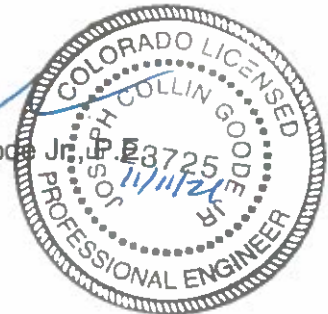
Reviewed by:

Daniel P. Stegman

DPS/bs

Entech Job No. 201326
AAprojects/2021/201326- ccs- field test

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



SUMMARY OF CTS TEST RESULTS FIELD TESTING

CLIENT FLRD #2
 PROJECT FOREST LAKES, FILING 6
 FIELD SAMPLE ID ON-SITE
 SOIL ADDITIVE TYPE I/II CEMENT

JOB NO 201326
 DATE 11/11/21
 BY BL

<i>ADDITIVE %</i>	<i>WATER %</i>	<i>DENSITY (dry)</i>	<i>AGE (days)</i>	<i>STRENGTH (psi)</i>
TIMBER TREK, LOTS 53/54				
2	10.7	131.2	5	180
2	10.7	131.9	5	192
2	10.7	130.9	5	216
AVERAGE				196
MESA TOP DRIVE, LOTS 43/44				
2	7.1	141.0	5	430
2	7.1	139.5	5	327
2	7.1	139.4	5	340
AVERAGE				366
MESA TOP DRIVE, LOTS 47/48				
2	6.4	140.6	5	430
2	6.4	141.9	5	401
2	6.4	139.4	5	430
AVERAGE				420

CURING METHOD

100° HUMIDIFIED OVEN