



ENTECH
ENGINEERING, INC.

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October 29, 2021

COLA, LLC
555 Middle Creek Parkway, Suite 380
Colorado Springs, CO 80921

Attn: Stephen Schoonover

Re: Cement Stabilized Subgrade – Field Tests
The Trails at Aspen Ridge #1
Colorado Springs, Colorado

Ref: Pavement Recommendations Report by Entech Engineering, Inc., dated March 10, 2020; Revised July 16, 2020 Entech Job No. 191931.

Dear Mr. Schoonover:

As requested, personnel of Entech Engineering, Inc. have performed strength testing on five sets of soil/cement composite samples from the above reference project. Testing was performed on field soil samples prepared with 4% OneCem Blended Portland Cement Type IL (10) HS, from Holcim Inc. near Florence, Colorado.

The average strength value of the 4% mix ranged from 203 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.

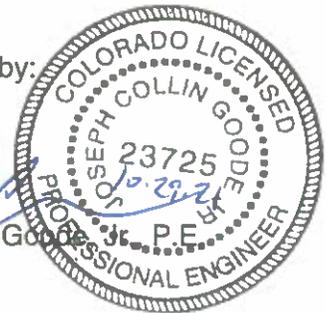
Daniel P. Stegman

DPS/bs

Entech Job No. 191072
AAprojects/2020/191072 css 3

Reviewed by:

Joseph E. Goode, Jr.
President



SUMMARY OF CTS TEST RESULTS FIELD TESTING

CLIENT COLA, LLC
 PROJECT TRAILS AT ASPEN RIDGE
 FIELD SAMPLE ID ON-SITE
 SOIL ADDITIVE TYPE IL(10)HS CEMENT

JOB NO 191072
 DATE 10/29/21
 BY BL

DATE SAMPLED	WATER %	DENSITY (dry)	AGE (days)	STRENGTH (psi)
65'E, 5'S OF NE CORNER SUNDAY GULCH & BUFFALO HORN				
10/22/21	18.8	107.1	7	216
10/22/21	18.8	107.2	7	211
10/22/21	18.8	107.1	7	182
AVERAGE:				203
3'S OF NE CORNER STORM CASTLE & BUFFALO HORN				
10/22/21	18.3	109.8	7	225
10/22/21	18.3	109.9	7	243
10/22/21	18.3	108.4	7	205
AVERAGE:				224
MIDWAY ON WAGON HAMMER, NORTH BOUND				
10/22/21	19.8%	100.4	7	212
10/22/21	19.8%	102.2	7	200
10/22/21	19.8%	101.4	7	228
AVERAGE:				213
20'E OF SE CORNER SIDEWINDER & BUFFALO HORN				
10/23/21	17.7%	118.9	6	340
10/23/21	17.7%	119.5	6	332
10/23/21	17.7%	120.3	6	278
AVERAGE:				317
50'E OF SE CORNER WAGON HAMMER & BUFFALO HORN				
10/23/21	16.9%	120.8	6	199
10/23/21	16.9%	121.0	6	212
10/23/21	16.9%	120.2	6	215
AVERAGE:				209

CURING METHOD

100° HUMIDIFIED OVEN