ENTECH
ENGINEERING, INC.
505 ELKTON DRIVE
COLORADO SPRINGS, CO 80907
PHONE (719) 531-5599

November 9, 2023

SR Land, LLC
20 Boulder Crescent, 1st Floor, Suite 100
Colorado Springs, CO 80903

Attn: Chaz Collins

Re: Cement Stabilized Subgrade – Field Tests
Homestead North, Filing No. 3
El Paso County, Colorado
Entech Job No. 230423

Dear Mr. Collins:

As requested, personnel of Entech Engineering, Inc. performed strength testing on two sets of three soil/cement samples from the above referenced project. Testing was performed on soil samples prepared with 2% and 4% Portland Cement Type I/II. A compression strength of 160 pounds per square inch (psi) is recommended for cement stabilized subgrade. The average 7-day strengths of the 2% and 4% mix were 348 and 430 pounds per square inch (psi), respectively. A summary of the testing results is attached.

A 2% mix is recommended based on the laboratory test results. 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
Geotechnical Engineering Staff

Reviewed by:

COLORADO LICENSED
JOSEPH C GOODE III
52381
PROFESSIONAL ENGINEER

Digitally signed by Joseph C Goode III
Date: 2023.11.09 12:33:04 -07'00'

Joseph C. Goode III, P.E.
Sr. Engineer

Encl.

DPS:JCG/

TABLE 1
SUMMARY OF CTS TEST RESULTS

FIELD SAMPLE ID	TB-7 @ 0-3'
SOIL ADDITIVE	TYPE I/II CEMENT
CURING METHOD	100° HUMIDIFIED OVEN

ADDITIVE %	***WATER %***	***DENSITY (dry)***	***AGE (days)***	***STRENGTH (psi)***
2	7.4	121.7	7	351
2	7.4	122.1	7	319
2	7.4	122.0	7	375
			AVERAGE:	**348**
4	7.4	122.1	7	430
4	7.4	121.9	7	430
4	7.4	122.3	7	430
			AVERAGE:	**430**

Project: Homestead North, Filing 3
Client: SR Land
Job No: 230423