January 27, 2020

Weld County Buildings and Grounds
1105 “H” Street
Greeley, Colorado 80631

Attn: Sterling Gessaman

Re: Proposed Breezeway
905 10th Avenue
Northern Colorado Geotech Project No. 015-20

Northern Colorado Geotech has been asked to provide guidance on the design of a proposed breezeway between two buildings located at 905 10th Avenue in Greeley, Colorado. Due to site access issues, we propose a concept of assumed values that will be verified at the time of construction. As we understand it, the breezeway will connect the two structures and enclose the current outside stairwell on the northern building. The proposed breezeway was planned to use a monolithic slab foundation.

Our primary concern on this project is the approximate 8 vertical feet of fill that the foundation would be placed upon around the northern building. It is our opinion that a monolithic slab is acceptable provided a structural grade beam that extends to frost depth and is dowelled and epoxied into both existing foundation walls. A soil bearing pressure of 1,250 psf may be used for design purposes.

If you have any questions or if we may be of further assistance, please do not hesitate to contact us at (970) 506-9244.

Sincerely,

NORTHERN COLORADO GEOTECH

Doug Leafgren, P.G.
President

Reviewed by:

Gary Weeks
Gary G. Weeks, P.E.
Vice President

cc: Addressee (2)