

COLORADO GEOLOGICAL SURVEY

1801 19th Street
Golden, Colorado 80401



Karen Berry
State Geologist

December 17, 2018

Audem Gonzales
Community Development
Town of Erie
P.O. Box 750
Erie, CO 80516

Location:
SW $\frac{1}{4}$ SW $\frac{1}{4}$ Section 18,
T1N, R68W, 6th P.M.
40.0460, -105.0524

**Subject: Main Street Subdivision – Preliminary Plat PP-000836-2017, Site Plan SP-000835-2016
Town of Erie, Weld County, CO; CGS Unique No. WE-17-0019 4**

Dear Mr. Gonzales:

Colorado Geological Survey has reviewed the Main Street Subdivision preliminary plat and site plan resubmittal. Previous Main Street review comments have been provided by CGS in letters dated March 24, 2017, February 28, 2018, and August 21, 2018.

The available referral documents include the same geotechnical report previously reviewed (Terracon, February 17, 2016), and a letter describing planned additional groundwater measurements to determine basement feasibility (Terracon, November 7, 2018).

Terracon states “We understand it is desired to obtain an additional groundwater measurement this mid-winter in order to confirm the feasibility of the proposed basements.” **Mid-winter water level observations will not provide useful information on shallowest anticipated seasonal water levels**; water levels tend to be at or approaching seasonal *low* levels in winter, then rise in response to increased precipitation and irrigation through spring and summer. Any groundwater monitoring program intended to determine basement feasibility or for use in design of subsurface drainage should span at least one complete spring-summer-fall cycle.

Thank you for the opportunity to review and comment on this project. If you have questions or require further review, please call me at 303-384-2643, or e-mail carlson@mines.edu.

Sincerely,

Jill Carlson, C.E.G.
Engineering Geologist

A handwritten signature in black ink, appearing to read "Jill Carlson", is written over the typed name and title.