

October 9, 2019

Nina Ruiz, Project Manager/ Planner II  
El Paso Planning & Community Development  
2880 International Circle  
Colorado Springs, CO 80910  
[ninaruiz@elpasoco.com](mailto:ninaruiz@elpasoco.com)

RE: Floodplain Certification Letter  
Black Squirrel Creek at 2020 N. Ellicott Hwy Calhan, Co 80808

Dear Ms. Ruiz,

This floodplain certification letter for the base (100-year) flood elevation of the Black Squirrel Creek at 2020 N. Ellicott Hwy Calhan, Co 80808 was prepared by me for Mr. Angel Cordero in accordance with the provisions of Federal Emergency Management Agency (FEMA) *Managing Floodplain Development in Approximate Zone A Areas – A Guide for Obtaining and Developing Base (100-Year) Flood Elevations*.

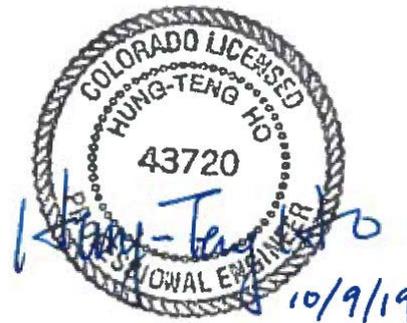
This floodplain certification letter was prepared using the Contour Interpolation approach of the Simplified Method per FEMA's guidelines. The effective Flood Insurance Rate Map (FIRM) *Map Number 08041C0807G*, revised December 7, 2018 encompasses the project site. Figure 1 - Annotated FIRMette shows the relationship between the property boundary and the Zone A floodplain. The Colorado Governor's Office of Information Technology provided 2-foot cell size DEM rasters created from ground classified LiDAR points plus breaklines. LiDAR was collected by Merrick & Company in 2018. The 2-foot contours were interpolated from the DEM rasters. The Zone A floodplain boundary and the property boundary were superimposed onto the 2-foot topographic workmap (Figure 2). Water-surface elevations were determined at three locations within the project site. The difference between the water-surface elevations determined on the right overbank and the left overbank at each individual location is within one-half of the map contour interval. Three base flood elevation contours (BFEs) 6094, 6095 and 6097 were determined at the project site.

If you have any questions about this certification letter, please contact me at (303) 572-0200 or email [hungteng.ho@matrixdesigngroup.com](mailto:hungteng.ho@matrixdesigngroup.com).

Sincerely,



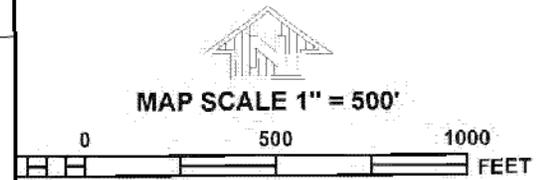
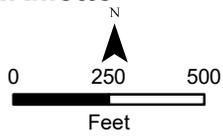
Hung-Teng Ho



cc: Mr. Angel E. Cordero  
2020 N. Ellicott Hwy  
Calhan, CO 80808

Hung-Teng Ho, PE  
Registered Professional Engineer #43720  
State of Colorado

**Figure 1  
Annotated FIRMette**



**NFIP**

**PANEL 0807G**

**FIRM**  
**FLOOD INSURANCE RATE MAP**  
**EL PASO COUNTY,**  
**COLORADO**  
**AND INCORPORATED AREAS**

**PANEL 807 OF 1300**  
 (SEE MAP INDEX FOR FIRM PANEL LAYOUT)

**CONTAINS:**

COMMUNITY	NUMBER	PANEL	SUFFIX
EL PASO COUNTY	08006	087	9

Notice to User: The Map Number shown below should be used when placing map orders. The Community Number shown above should be used on insurance applications for the subject community.

**MAP NUMBER**  
**08041C0807G**

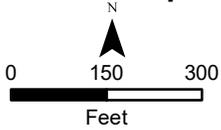
**MAP REVISED**  
**DECEMBER 7, 2018**

**Federal Emergency Management Agency**

**NATIONAL FLOOD INSURANCE PROGRAM**

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at [www.msc.fema.gov](http://www.msc.fema.gov)

**Figure 2**  
**2-Foot Topographic Workmap**



Notes:  
Vertical Datum: NAVD 88  
Horizontal Datum: NAD83  
Contour Interval: 2 Feet  
Topographic information provided by the Colorado Governor's Office of Information Technology, 2018.

