

October 9, 2019

Nina Ruiz, Project Manager/ Planner II
El Paso Planning & Community Development
2880 International Circle
Colorado Springs, CO 80910
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*.

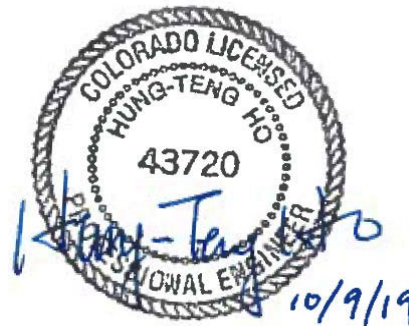
This floodplain certification letter was prepared using the Contour Interpolation approach of the Simplified Method per FEMA's guidelines. The effective Flood Insurance Rate Map (FIRM) *Map Number 08041C0807G*, revised December 7, 2018 encompasses the project site. Figure 1 - Annotated FIRMette shows 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.

Sincerely,



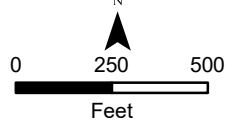
Hung-Teng Ho



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**



Zone A Floodplain

BUNNY VIEW

Cordero Property

N ELLICOTT HWY

BFE

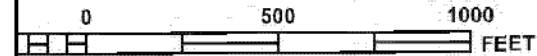
6097

6095

6094

BLACK SQUIRREL CREEK

MAP SCALE 1" = 500'



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	080006	0807	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.



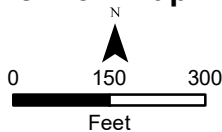
**MAP NUMBER
08041C0807G**

**MAP REVISED
DECEMBER 7, 2018**

Federal Emergency Management Agency

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT Ch-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

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.

