

PIKES PEAK REGIONAL BUILDING DEPARTMENT

SUGGESTED LANGUAGE FOR A ZERO RISE CERTIFICATION

For FEMA designated floodplains, which have established base flood elevations, proposed encroachments into the floodway may require extensive submittals to FEMA unless it can be shown that the encroachment causes no impact to the floodway. The 2005 Pikes Peak Regional Building Code Sections RBC313.20 and RBC313.20.1 require that such proposed encroachments result in no adverse impact to the floodway:

RBC313.20 *Floodways. Located within areas of special flood hazard established in Section RBC313.8 of this Code are areas designated as floodways. Since the floodway is an extremely hazardous area due to the velocity of floodwaters, which carry debris, potential projectiles, and erosion potential, the following provisions apply:*

RBC313.20.1 *Prohibited encroachments, including fill, and other development unless certification by a professional engineer or architect licensed by the state of Colorado is provided demonstrating that encroachments shall not result in any increase in 100-year flood heights, 100-year discharge or 100-year floodplain width.*

This certification is required to be submitted as part of a Floodplain Development Permit application, specifically in the form of a letter with supporting documentation. The following is suggested language for this “Zero Rise Certification”:

I certify that I am a duly qualified registered Professional Engineer or Architect licensed in the state of Colorado.

I certify that the proposed project __ (project name or identification) __ as detailed on construction drawings __ (list drawing numbers or identification) __ will result in zero rise in the FEMA designated 100-year flood heights, and no increase in the 100-year discharge and no increase in the 100-year floodplain width, at published and unpublished cross sections of the current FEMA floodplain of __ (creek name) __ Creek as shown on FEMA map 08041C __ (list panel number) __ . This certification is intended as proof of meeting the requirements set forth in the Pikes Peak Regional Building Code RBC313.20.1.

(if applicable) I further certify that the design conditions needed to meet the zero rise __ (list breakaway walls, wall seams, etc) __ are detailed in sufficient nature to allow for field confirmation and are included among the attached supporting documentation.

(if applicable) I further certify that the structure in question will be securely anchored to prevent flotation, collapse or lateral movement in order to withstand the velocity of floodwaters as required by RBC313.18.1 and RBC313.21.2.

I offer the following documentation in accordance with standard Engineering practice to support my findings:

- a) _____
- b) _____
- c) _____

The submitted letter must be signed and sealed by a currently registered Professional Engineer.