

LARIMER COUNTY  
ENGINEERING DEPARTMENT



# FLOODPLAIN DEVELOPMENT GUIDE



SECTION 8:  
CERTIFICATES



## 8. CERTIFICATES

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If floodplain development is proposed or has occurred within a floodway zone, a hydraulic study is required to determine its impact on the base flood elevations (BFEs) and floodway elevations. The hydraulic study must be accompanied by a No-Rise Certificate and No Adverse Impact Certificate which are signed and stamped by a licensed Colorado Professional Engineer (PE) prior to FDP issuance. A No Adverse Impact Certificate may also be required for map amendment proposals at the discretion of the County Engineer. Forms for these certificates can be downloaded from the Larimer County Floodplains website (<https://www.larimer.org/engineering/floodplains>).

### No-Rise and No Adverse Impact Certificate Requirements

For projects where these certifications are required, the licensed Colorado Professional Engineer (PE) responsible for the design and/or hydraulic study must provide the following information:

- Project name associated with the floodplain development activities or hydraulic study
- Flooding source (e.g. stream name)
- Documents which support the certification (construction plans, hydraulic report, modeling files, etc.)
- Date of certification
- Engineer's name, title, stamp, and signature

Please refer to the Hydraulic Studies section of this guide which describes the requirements for a no-rise analysis. Examples showing a typical No-Rise Certificate and No Adverse Impact Certificate are provided in Figure 9 and Figure 10.

### FEMA Elevation Certificates

If an applicant is seeking an FDP for a structure, at least one FEMA Elevation Certificate (signed and stamped by a PE or a licensed Colorado Professional Land Surveyor) will be required. Elevation certificates may be required by the County Engineer at any point during or after construction. Typically, these are required immediately after the foundation is completed and/or after construction is complete. If an existing structure is being permitted to meet code requirements, the County Engineer may require an elevation certificate prior to issuance of the FDP.

Elevation certificate forms may be downloaded through FEMA's website. FEMA has also provided training videos for completing elevation certificates which can be viewed through a

link on the Larimer County Floodplains website  
 (<https://www.larimer.org/engineering/floodplains>).

Figure 1. No-Rise Certificate Example



<b>CERTIFICATION OF NO-RISE</b>	
This is to certify that I am a duly qualified registered Professional Engineer licensed to practice in the State of Colorado. It is to further certify that the proposed or as-built floodplain development activities in the floodway referred to as:	
Larimer Development	
for the floodplain associated with the following flooding source(s):	
Cache La Poudre River	
will not create an increase in the base flood elevations, floodway elevations, or impact the floodway widths in accordance with Article 12 of the Larimer County Land Use Code. This certification includes, but is not limited to, published and unpublished cross-sections in the Flood Insurance Study (FIS) dated December 19, 2006, and any revisions thereto. This certification also includes all published and unpublished cross-sections within the Floodplain Overlay District (FPO District) in Larimer County.	
The following documents are provided with this certification which support my findings:	
Construction Plans Hydraulic Report Hydraulic Modeling Files Base Flood Elevation (BFE) Comparison Table Hydraulic Cross-Sections	
Date: 5/24/2021	
Signature:  _____	 {SEAL}
Printed Name: John Doe	
Title: Civil Engineer	

Figure 2. No Adverse Impact Certificate Example

CERTIFICATION OF NO ADVERSE IMPACT	
This is to certify that I am a duly qualified registered Professional Engineer licensed to practice in the State of Colorado. It is to further certify that the floodplain development activities or map amendment proposal referred to as:	
<input type="text" value="Larimer Development"/>	
for the floodplain associated with the following flooding source(s):	
<input type="text" value="Cache La Poudre River"/>	
will not create an adverse impact, including:	
<ul style="list-style-type: none"><li>• Increasing in the base flood elevation on a structure</li><li>• Increasing the floodway elevation on a structure</li><li>• Modifying the extent of the floodway or floodplain so as to create an adverse impact to a structure</li><li>• Creating a hazard related to scour, erosion, or sedimentation</li></ul>	
The following documents are provided with this certification which support my findings:	
<input type="text" value="Construction Plans&lt;br/&gt;Hydraulic Report&lt;br/&gt;Hydraulic Modeling Files&lt;br/&gt;Base Flood Elevation (BFE) Comparison Table&lt;br/&gt;Floodplain Workmaps&lt;br/&gt;Scour Calculations"/>	
Date: 5/24/2021	
Signature: 	
Printed Name: John Doe	
Title: Civil Engineer	
	
	{SEAL}