

## **Installation of a Mobile Home Located in a Floodplain Submittal Requirements**

1. Completed Floodplain Use Permit – signed by owner. If this is a “spec home” the builder will sign the use permit with the understanding that they are required to disclose to the future owner that the site is in a floodplain.
2. The design must comply with all requirements in Section 10-41 of City Code. The FEMA guidelines for anchoring and foundation design that are found in “Manufactured Home Installation in Flood Hazard Areas” Publication #85 must also be used. Please make a statement that these guidelines have been used in the design.
3. Submit a detailed design drawing of the foundation and anchoring for the specific mobile home. The following items must be included on the drawings:
  - Base flood elevations (BFE)
  - Finished floor elevation (must be at least 18” above BFE)
  - Vertical Datum and benchmark used – must be on City of Fort Collins benchmark system using NGVD 1929 without the 1984 correction.
  - Plan view showing spacing of piers or pilings and any other anchoring systems
  - Depth of piers or pilings
  - Details of any components that will be welded or bolted in place and any anchoring or bracing systems.
  - Any other pertinent design information
  - Stamp of registered professional Engineer.
4. Submit calculations used for sizing the foundation and design of the anchoring including all loadings:
  - Roof Live Load
  - Dead Load
  - Floor Live Load
  - Wind Load (lateral)
  - Wind Load (uplift)
  - Drag
  - Lateral
  - Impact
  - Buoyancy
5. If the site is in the floodway, all skirting must be breakaway in design. This must be stated.
6. All designs must be completed by a registered professional engineer.
7. An elevation certificate will be required after construction is completed. A hold will be placed on the CO until the elevation certificate is completed and approved. Allow 2 weeks for review and approval.

If you have questions or need additional information, contact Fort Collins Utilities at (970) 221-6700.