

## GENERAL REQUIREMENT

A Floodplain Development Permit (PDF) is required to be obtained from the City of Chapman prior to undertaking any man-made change in the 1% annual chance floodplain. Special Flood Hazard Areas (SFHA) are subject to inundation by the 1% Annual Chance Flood. The 1% annual chance flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood. This is the area of a community where development to the standards of the National Flood Insurance Program (NFIP) are required.

## SPECIFIC REQUIREMENTS

As described in the illustration below, the 1% annual chance floodplain is divided into the Floodway and the Flood Fringe. The specific requirements and procedure *be* each area varies as follows:

### Floodway

1. Check floodplain map. If the map shows the property in a floodway, the applicant

must submit proof of a "no-rise". If a licensed land surveyor certifies that the ground elevation of the property is higher than the flood way, the applicant must still obtain an FDP. The only type of structures permitted in the flood way are structures that have been determined by a licensed land surveyor to create "no-rise".

2. Complete an application for an FDP.
3. Submit required information to State of Kansas, Division of Water Resources.
4. Inquire with US Army Corp of Engineers whether a 404 permit is required.
6. City of Chapman approves and issues FDP.
6. The applicant must provide an 'as-built\*' certificate upon completion of the construction.

### Flood Fringe

1. Check floodplain map. If the map shows the property to be in a 1% annual chance flood (SFHA), the applicant must provide proof of the ground elevation of the property, determined by an elevation certificate, certified by a licensed land surveyor prior to a FDP being issued.

2. From the information on the elevation certificate, a determination can be made as to how much fill is required to ensure the first floor of a structure is one foot above the BFE (Base Flood Elevation).

3. The applicant cannot add onto an existing structure that is in the 1% annual chance flood SFHA without elevating unless the addition is determined to be a minor improvement. To determine if the addition is a minor improvement, the pre-improvement value of the existing structure and the cost of the improvement must be provided on the FDP.

4. City of Chapman approves and issues the FDP.

5. The applicant must provide an 'as-built\*' certificate upon completion of the construction.

### Floodplain Development Terms

NFIP—National Flood Insurance Program

FPA—Floodplain Administrator

FIRM—Flood Insurance Rate Map

SFHA—Special Flood Hazard Area

FDP—Floodplain Development Permit

BFE—Base Flood Elevation

LOMA—Letter of Map Amendment

**Development** — Any man-made change to improved or unimproved real estate, including but not limited to buildings or other structures, mining, dredging, filling, grading, paving, excavation or drilling operations.

**Special Flood Hazard Areas (SFHA)**-The area subject to flooding by the 1% annual chance flood.

**Floodway** - The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.

**Other Flood Areas** - Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile.

**Cross-Sectional View**  
-- w/Existing & New  
Development

