

# Fill in the Floodplain

Special requirements apply for fill located in the floodplain. To determine whether a project is in the floodplain or floodway, refer to maps provided at [www.fema.gov](http://www.fema.gov). **Fill in the floodway is prohibited.** Fill located in the floodplain shall meet the following requirements:

- Fill shall be compacted to 95% as determined by the Standard Proctor Test method
- Fill slopes shall not be steeper than 3H:1V
- Adequate protection against erosion and scour shall be provided for fill slopes
- If expected velocities during the base flood are greater than 5 ft/s, the slope shall be armored with stone or rock
- If expected velocities are less than 5 ft/s, the slope shall be protected with vegetative cover
- Fill shall be composed of clean granular or earthen material.

A floodplain development permit is required for all proposed construction or development located in the floodplain. The floodplain development permit application can be found on the County's website: [www.jeffcomo.org](http://www.jeffcomo.org)

# Clean Fill



*To report an issue*

*or*

*For more information please contact:*

Jefferson County  
Stormwater Management Division  
PO Box 100  
Hillsboro, MO 63050  
Phone: 636-797-6228



Jefferson County  
Stormwater Management Division

# What is Clean Fill?

Clean fill consists of the following:

- Soil
- Rock
- Sand
- Gravel
- Concrete (no rebar)
- Asphaltic Concrete
- Cinderblocks
- Brick

Clean soil should be obtained from excavation of banks, borrow pits, or other sources. This soil shall not contain deleterious amounts of organic or foreign materials except as certified by a registered professional engineer.



# What is Not Clean?

Unclean fill consists of the following:

- Wood
- Plastic
- Metal
- Glass
- Cardboard
- Contaminated Soil
- Fiberglass
- Hazardous Waste
- Treated Granite

Unclean fill should be taken to the appropriate landfill or waste facility.

# Construction Requirements for Fill

The following procedures should be followed for any fill activities:

- No fill slopes shall be steeper than 3H:1V unless it meets the following
  - Individual and isolated slopes
  - Rock dikes
  - Undisturbed natural slopes
  - Slopes bending with the natural terrain designed by a professional engineer with construction and maintenance recommendations
- All fills intended to support buildings or structures, sewers and conduits shall be compacted to a minimum of 90% as determined by Modified Proctor, ASTM D-1557
  - Compaction of these fills must be certified by a registered professional engineer
- Compaction of other fills shall be required where necessary to prevent saturation, slipping, or erosion

For detailed requirements, refer to the Jefferson County Code of Ordinances at

<https://ecode360.com/JE3328>