

## Construction Features:

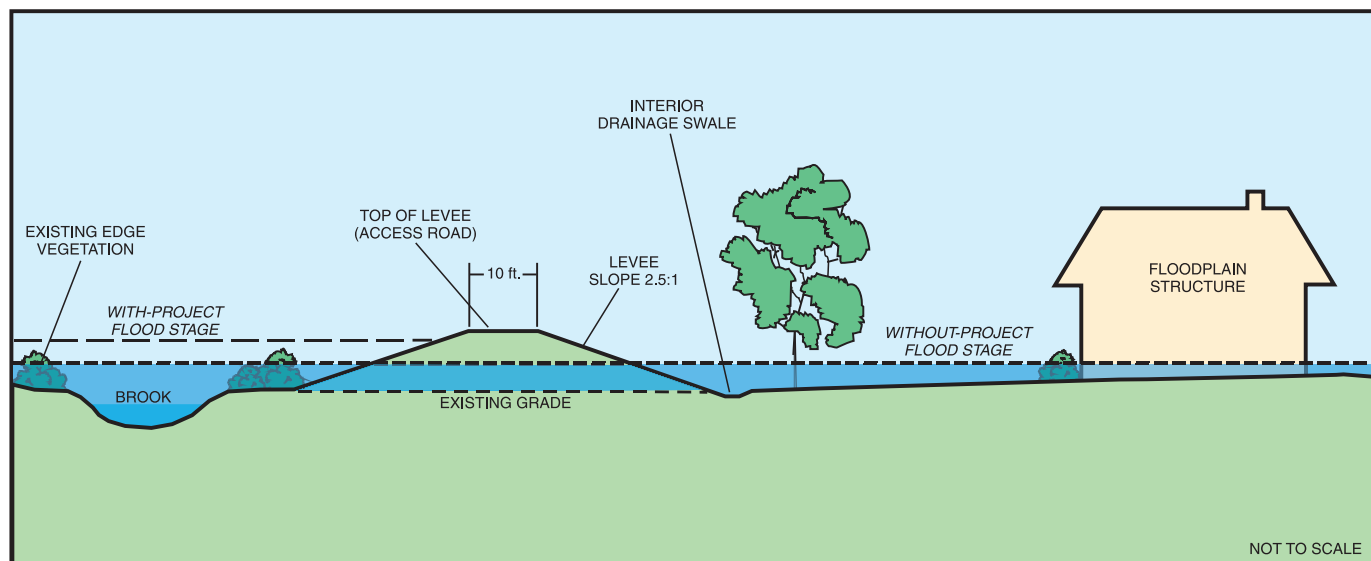
# Levees & Flood Walls

A levee is a mound of earth which runs along the edge of a river or stream. It holds back water during flood conditions.

It has sloping sides and a flat top, usually eight to ten feet across. When completed, levees can be used for walking, jogging, biking, or similar recreational activities.

The two pictures show before and after conditions at Tea Street.

In places where there is not enough room for a levee, concrete flood walls with a pleasant looking facade will be used.



## Construction Features:

# Closure Gates & Pump Stations



Closure gates are a part of levee systems and serve to hold back water.

Closure gates are located where the line of protection needs to cross through a traffic corridor, such as bridges or underpasses.



There are a number of types of closure structures. One that will be used in the basin is a roller gate (pictures at left: top, before; bottom, after). Other types are miter and swing gates.

The purpose of a pump station is to transfer surface drainage, trapped behind the levee, from the protected side over to the river side.

The pump stations are automatically activated through a series of level switches and are to be equipped with emergency generators to ensure the pump stations will be operational during severe weather conditions.



The above picture shows what a typical pump station might look like.