



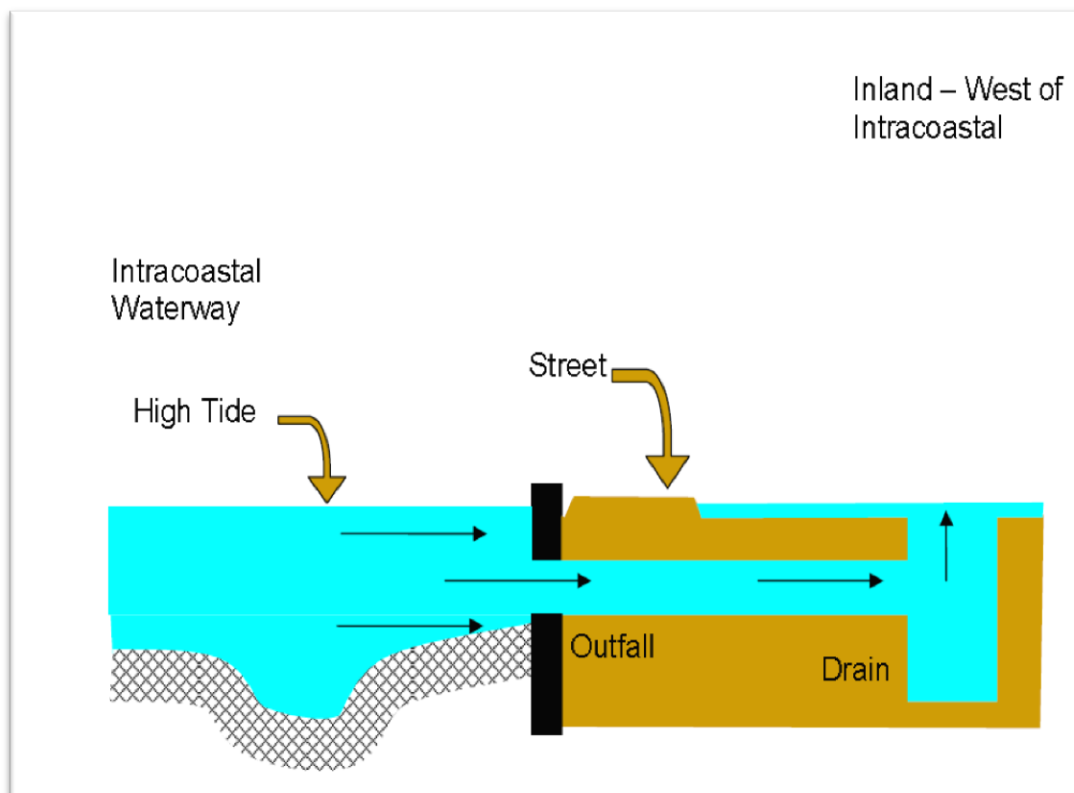
The Effects of High Tide

Flooding can occur whenever a large amount of rain falls over a relatively short period of time. The risk increases if the rain coincides with high tide, or if the ground is already saturated by consecutive days of rain fall.

As a coastal city, much of Hollywood is less than 10 feet above sea level; in some areas, as little as 2 ½ - 3 feet above sea level. This makes us particularly susceptible to flooding. The

risk increases exponentially if we experience heavy rainfall at high tide. Our stormwater drains to the ocean, so as you can imagine, if all that water is pushing inland...it has a tremendous impact on drainage!

During high tide, water from the Atlantic Ocean pushes inland into inlets, canals and the Intracoastal Waterway, causing water levels throughout the area to rise and backflow into the city's storm drainage system as illustrated in the chart below.





If heavy rain occurs during a high tide, drainage time is significantly increased. In many instances, there's nowhere for the rainwater to go. In either case, flooding is a direct result. Please refer to the illustration below.

