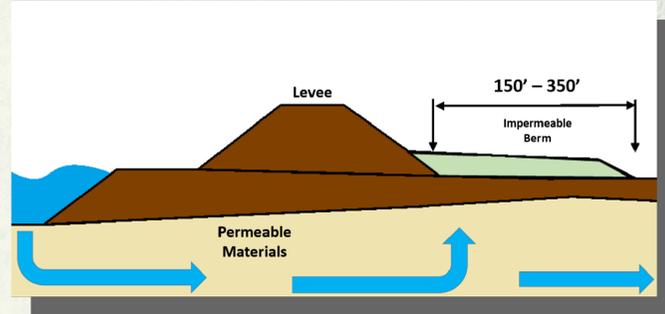




MR&T Mississippi River Levees Seepage Deficiencies

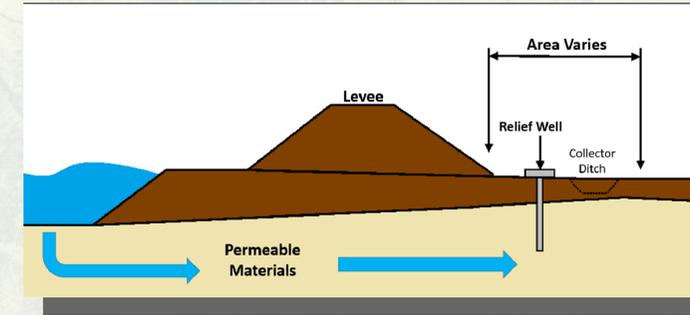
Seepage Berms

Seepage berms are constructed on the landside of the levee using impervious soils to reinforce existing top stratum and to reduce underseepage pressure near the toe of the levee. Upon construction, berms are turfed and mowed to prevent erosion or encroachment of undesired vegetation.



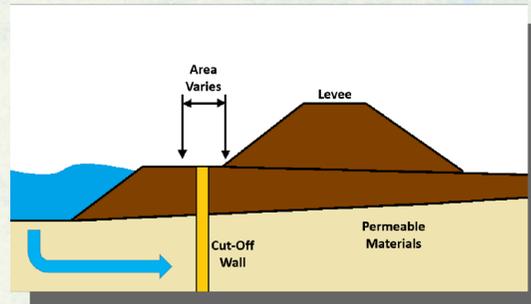
Relief Wells

Relief wells are vertically installed wells consisting of a well screen surrounded by a filter material designed to prevent in-wash of foundation materials into the well. Relief Wells intercept underseepage and provide a controlled outlet for the water.



Slurry Trenches

A slurry trench is installed on the river side to a determined depth to cutoff seepage through any deep impervious layers.



Sheet Pile Cut-Off

Sheet pile cutoff is installed in the levee section to a determined depth to cutoff seepage through any shallow impervious layer and to cutoff seepage through the levee embankment. Upon completion, sheet pile is buried in the levee section.

