

Project Description

Bangs Lake Drain and 555 Willow Road Streambank Stabilization Village of Wauconda

This project includes the installation of sheet pile retaining wall for the purpose of streambank stabilization at two locations: the Bangs Lake Drain along Slocum Lake Road and the drainage ditch behind 555 Willow Road. The streambank of the Bangs Lake Drain adjacent to Slocum Lake Road has eroded significantly. The loss of streambank threatens the structural integrity of the road and curb and has already rendered the guardrail along the streambank ineffective. At this location, an 80 ft. length of steel sheet pile wall will be installed to stabilize the bank and prevent further erosion. The guardrail will be removed and replaced as necessary. There has also been some erosion of the ground beneath an asphalt parking space to the east of the stream on Slocum Lake Road. This project will also include the removal of this unnecessary parking space and replacement of 18 ft. of the corroded storm sewer pipe that runs directly beneath the parking space and empties into the Bangs Lake drain.

At 555 Willow Road, 65 ft. of sheet pile wall is to be installed along the drainage ditch at the rear of the property to prevent further erosion of the streambank. Severe erosion has resulted in the top of the bank of the ditch being approximately five feet from a garage and shed on the property. Use of the sheet pile wall will prevent further erosion and allow construction to be performed outside of the floodplain and wetlands.