

Application: Dewatering Lake Sediment

Customer: Sterling Heights, Michigan

Product: TitanTube® Geotextile Tube

BACKGROUND

The city of Sterling Heights, Michigan had constructed a storm water retention lake referred to as the Gibson Drain Flood Runoff Area. The over flow from the 5 acre lake drained into the adjacent Clinton River.

THE PROBLEM

Over the years, lake bank erosion had caused Gibson Drain to "silt in". This silt led to a substantial reduction in the lake's capacity during storms and therefore to occasional localized flooding.

THE DESIGN

The city of Sterling Heights determined that the best approach was to dredge the lake. However, limited lay down area precluded the use of a settling pond and the expense of a belt press was beyond the city's budget.



THE TEAM

Michigan Aquatic Control of Imlay City, Michigan was selected by the city to dredge the lake. They chose to purchase the tubes from LT Eley and Sons of Harper Woods, Michigan. LT Eley is a distributor of the TitanTube®. The TitanTube® is manufactured by Flint Industries of Metter, Georgia.

