

## CASE STUDY



### PROJECT DETAILS

**Project Name:**

Elk River High School

**Location:**

Elk River, MN

**General Contractor:**

Metro Utilities, Inc

**Engineer:**

BKBM Engineers

**Product Manufacturer:**

County Materials Corporation

**Date:**

2019

**Key Products:**

Elliptical Reinforced Concrete Pipe, Manholes, Precast Outlets

## County Materials' Elliptical Reinforced Concrete Pipe Proves Ideal for Storm Water System Upgrades

**Solutions:** Concrete pipe provides enhanced flow capacity

When building a new tennis complex, Elk River High School was prompted to update their storm water management system. Due to elevation requirements and excavation restrictions, the pipe required for the span had a restrictive depth limit. Project leaders sought a storm water management solution with a high flow capacity to sufficiently direct storm water through the high school's property.

County Materials' Elliptical Reinforced Concrete Pipe was specified for its unmatched strength and reliability. Where there are height or width restrictions, elliptical reinforced concrete pipe allows for higher flow capacities at shallower depths. Concrete pipe is manufactured to optimize water flow and resist flotation throughout its extended service life of 100 years or more.

*Continued on page 2.*







Concrete is an inherently durable material that resists, tearing, bucking, or rusting and can withstand the elements, whether buried or exposed. Manufactured to last using abundant natural resources and recycled materials, concrete pipe proves a sustainable, cost-effective storm water management solution.

County Materials' Roberts, WI facility supplied and delivered readily available concrete pipe and precast products. More than 200 LF of elliptical pipe and several large outlets and manhole components were installed to maintain the construction schedule. Reinforced concrete pipe proved an economic and reliable storm water solution for Elk River High School.



*Where there are height or width restrictions, elliptical reinforced concrete pipe allows for higher flow capacities at shallower depths.*