

CASE STUDY



PROJECT DETAILS

Project Name:

Ballpark Commons

Location:

Franklin, WI

Key Products:

Reinforced Concrete Pipe,
Apron End Walls

Engineer:

JSD Professional
Services, Inc.

Contractor:

DF Tomasini, Inc.

Product Manufacturer:

County Materials
Corporation

Date:

2021

Reinforced Concrete Pipe Meets Complex Storm Water Management Demands of Mixed-Use Development

Solutions: RCP provides cost-effective material for storm water management system capable of handling 100-year storm event

Ballpark Commons is a 300-acre mixed-use site that encompasses a variety of commercial and residential developments, including the 4,000-seat home stadium of the Milwaukee Milkmen, an indoor athletic complex, and a ski hill.

The site's unique and challenging layout presented several challenges for storm water management. The massive complex is split into two sections that span a major road intersection, with each section having only one storm water pond. Additionally, the presence of the ski hill increases runoff onto the rest of the development. These factors meant the entire system needed to be capable of handling a 100-year rain-event and rigid enough to withstand high traffic loads.

Engineered and manufactured to optimize water flow and resist floatation, reinforced concrete pipe and precast components provided a reliable drainage solution. As the strongest pipe material available, concrete pipe can be designed and tested to meet any load requirement.

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With lower costs for design, installation and inspection than other pipe materials and a service life that can exceed 100 years with minimal maintenance, concrete pipe is a cost-effective choice for flood resilient infrastructure.

County Materials was called on to manufacture and deliver more than 3 miles, 16,000 LF, of reinforced concrete pipe ranging in size from 12 inches to 72 inches in diameter.

The drainage system was designed to convey storm water from roadways and parking lots along smaller pipes to a main trunk line made up of the largest pipes. The six-foot diameter trunk lines then direct the water to each section's respective ponds.

To ensure the project was completed on time, County Materials worked with crews onsite to make deliveries when needed throughout the installation. The baseball stadium opened on time for the team's inaugural season, and Ballpark Commons has already become a beloved community fixture in the Milwaukee metro area.



With lower costs for design, installation and inspection than other pipe materials and a service life that can exceed 100 years with minimal maintenance, concrete pipe proved a cost-effective choice for this complex storm water management system.