

CASE STUDY



PROJECT DETAILS

Name:

South Wood County YMCA

Location:

Wisconsin Rapids, WI

Architect: Zimmerman Architectural Studios, Inc.

Engineer: Harwood Engineering Consultants

Contractor:

Miron Construction;
Martell Construction, Inc.

Manufacturers:

County Materials Corporation and County Ready Mix Corporation

Key Products: H₂O Pro® Pavers and Ready-Mix

Date: 2020

South Wood County YMCA Reconstruction Project Relies on Permeable Pavers and Ready-Mix Concrete

Solutions: Permeable pavers improve parking lot drainage; ready-mix concrete proves versatility

After five years of planning and construction, a new community complex opened to Wood County, WI residents on the site of the former Rapids Mall. The facility is home to several community-based organizations, including the South Wood County YMCA, the Boys & Girls Club of the Wisconsin Rapids Area, and the Wisconsin Rapids VA Clinic. The expansive project required durable, versatile building materials to fulfill a variety of demands.

Permeable interlocking concrete pavers were incorporated into the parking lot's design for storm water management. H₂O Pro Pavers, manufactured by County Materials Corporation, prevent puddling by redirecting and filtering storm water through aggregates in enlarged joints, then releasing it back into the ground. Their functionality improves parking lot safety and groundwater quality, as debris and contaminants are prevented from infiltrating nearby aquifers. H₂O Pro Pavers were installed in sections to provide adequate drainage across the asphalt parking lot. The pavers' sophisticated shape enhances the property's curb appeal and complements the structure's contemporary façade.

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County Ready Mix Corporation, a member of the County Materials family of companies, supplied concrete for the structure's foundation, aquatic center, and sidewalks. Drilled foundation piers poured in the preliminary stages of the project overcame subsoil challenges and prepared the site for construction. These caissons were essential to the project's progression and its prolonged structural integrity. Ready-mix concrete also formed the aquatic center's two multi-purpose pools and hot tub. Concrete was specified for its design flexibility and durability. The aquatic center's design was brought to life using hand-formed radiuses and shotcrete integrated with Xypex for waterproofing. Shotcrete forms dense surfaces with low porosity and permeability, providing resistance to heavy wear and water over an extended service life. Ready-mix sidewalks were also installed on site for these inherent characteristics.



County Materials Corporation and County Ready Mix Corporation provided durable, design-focused concrete solutions that enhance project functionality and aesthetic appeal.

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