

## Mt. St. Charles Academy Tennis Complex Woonsocket, RI

CIVIL ENGINEERING. PLANNING. URBAN DESIGN. implementing community vision



the site tiers three sets of two courts into the landscape, solving a design challenge while providing a one-of-a-kind tennis experience



careful grading & retaining wall design strategically fit the courts onto the site



bioretention systems naturally filter and infiltrate stormwater runoff before overflow into an underground detention system

### **Client:**

Mt. St. Charles Academy

### **Status:**

Construction Complete

Mt. St. Charles Academy recently built a new 6-court tennis complex across Logee Street from their main campus. Morris Beacon Design's site analysis and design overcame significant constraints, including an irregularly shaped site, nearly 1,000 cubic yards of ledge removal, and extensive topography, in order to successfully implement the project.

Mt. St. Charles Academy had a vision for tennis on the irregularly shaped, ledge-filled, and sloping site across the street from their main campus. Morris Beacon Design successfully resolved the extensive constraints to provide the design for a one-of-a-kind tennis complex.

The sloping and tight site required significant retaining wall systems to fit 6 tennis courts while softening visual impact on the surrounding residential neighborhood, minimizing ledge removal, and providing for appropriate stormwater management. Morris Beacon Design's plans featured a tiered system of courts incorporating seat walls and weaving lined and unlined bioretention systems for stormwater management into the landscape.

Morris Beacon Design provided civil engineering services to design site layout, grading and infrastructure for the project, and permit the project design with the City of Woonsocket. Morris Beacon Design subcontracted and coordinated landscape architecture and traffic engineering services for the project.