



SHAWSHEEN VALLEY TECHNICAL HIGH SCHOOL

Diamond Pro® & London Cobble™:
A Winning Team for Shawsheen Valley Tech Athletic Complex

LOCATION:

Billerica, Massachusetts

MANUFACTURED BY:

Anchor, an Oldcastle® Company

PRODUCT:

Diamond Pro® Wall,
London Cobble™ Paver

QUANTITY:

12,000 SF SRW & 6,000 SF Pavers

GENERAL CONTRACTOR:

Heimlich Const. & Landscaping

INSTALLER:

Carl Campbell Waterscapes
of New England
(Belgard Master Craftsman)

ENGINEER AND DESIGN:

Shippee Engineering, Inc.



The Challenge

In mid-2016, Shawsheen Valley Regional Vocation Technical High School in Billerica, Massachusetts, began plans for new additions to its athletic facilities. The cornerstone of the project would be a new football field with track and field facility, complete with artificial turf, new bleachers and lights. The plans also included the construction of five new tennis courts next to a lighted artificial turf baseball facility with enough space in the outfield for a multipurpose rectangular field for soccer and lacrosse. The areas between the baseball and football field was multi-leveled and the architectural design called for a 10' x 10'-switchback ramp to connect the two levels.

The Solution

Belgard® Commercial not only offered two high-quality products to meet the needs of Shippee Engineering and Shawsheen Valley Technical High School, but the company lent its in-depth experience to the complex project. Diamond Pro® Wall was specified for the segmental retaining wall (SRW) portion of the project, while London Cobble™ was chosen for the ramps. The sturdy SRW is a larger sized unit, which is an ideal choice for projects of this scope. London Cobble was installed as a permeable paver system to help manage water runoff from the field above, designed to drain water through the paving system into the ground below.

The Result

The \$7 million project was installed within a six-month period. Due to the combination of lighting, fencing, railing and ramps all working in tandem with the retaining wall and pavers, the complicated installation presented some challenges. However, the Belgard® Commercial team worked closely with the engineer, general contractor and installer to ensure the project went smoothly. Ultimately, the work was completed on time and successfully functions as designed.

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Benefits of Diamond Pro®

- Rear-lip block makes installation fast and accurate
- One square foot of wall face per block
- Gravity walls can be built up to 4 feet high, including buried course, but excluding the cap
- Taller walls can be built using geosynthetic reinforcement or the Anchorplex™ retaining wall system when designed by a qualified engineer
- ICC evaluated

Benefits of London Cobble™

- Gently rounded corners with domed "pillow-top" surface
- Clean line architectural appearance
- Wide range of natural color blends
- An abundance of adaptable shapes
- Perfect for intricate circle patterns and serpentine walkways

About Belgard® Commercial Hardscapes

Belgard Commercial is part of the Oldcastle Architectural Group, the largest concrete products manufacturer in North America. With over 180 locations and a company culture characterized by a commitment to customer satisfaction, Oldcastle adheres to a level of service and consistency that no other supplier can match. Our combination of local market presence and national capabilities allows us to meet and exceed the demanding needs of an ever-changing industry.

