

Eversource Energy selected precast concrete for a 15-foot tall perimeter wall around a new substation in Greenwich, CT for its strength and security. The community chose an inlaid brick pattern precast for its aesthetics that allow it to blend into the neighborhood.

Faddis provided value engineering to modify the original structural concept to allow panels to span the 20 feet from pilaster to pilaster with the bottom panel being thick enough to provide a shelf for the cast stone water table. The center pilaster was made to fasten to the upper panels and completed the architect's conceptual design. The cast stone water table, pilaster and panel caps were manufactured at the Faddis cast stone plant in Downingtown, PA.

Faddis Concrete Products worked with Architectural Polymers to select Burgundy Sands thin brick and Chelsea for the accent soldier course. Complicated formwork was created to accept the complicated thin brick formliner. Flat bricks and corner bricks were installed into several offset patterns within the wall panels and pilasters. All of the precast components were cast at the Kutztown facility.

The contractor, McPhee Electric, installed rock socket caissons, and precisely located anchor bolts for the pilaster connections. The perimeter wall is a four sided enclosure with 25 standard pilasters and 15 different angled pilasters requiring custom built forms for each one. The Faddis form fabrication shop worked diligently to complete the project with all panels and pilasters within the close tolerances specified. The precast components were delivered in early 2020 and installed by McPhee in 20 days.

According to the contractor, the Greenwich community is happy with the precast perimeter wall. Faddis is proud of the results that demonstrate their capability to meet the high degree of difficulty on this project.

TAKE A NEW LOOK AT PRECAST

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PRECAST CASE STUDY

PROJECT:
PRECAST PERIMETER WALL
EVERSOURCE SUBSTATION

LOCATION:
GREENWICH, CT

PRECAST MANUFACTURER
FADDIS CONCRETE PRODUCTS
www.faddis.com

