



Project Profile

Client:

Confidential Pharmaceutical Client

Project Engineer:

Carl Walker, Inc.

Location:

New Jersey

Delivery Method:

Construction Management

Key Challenges:

- Co-occupancy issues had to be carefully managed to ensure campus and employee safety throughout the four project phases
- Coordinating vehicular and pedestrian traffic flow patterns with respect to concrete cure times and test cylinder break results

Parking Decks

The Project Team structurally refurbished two separate 42,000 square foot two-story parking decks. The work involved replacing the ramp slab-on grade, removing cast in place concrete wash and wear layer from pre-cast post tensioned concrete deck planks, refurbishing and/or replacing steel shear connectors, and installing new epoxy coated rebar grid over central inverted tee beam. In addition, the Team poured a specially formulated blend of concrete, designed to maximize adhesion to existing surfaces and inhibit corrosion of reinforcement, replaced deck drains and rain leader conductors, applied sealant to all joints, and added a new water proof coating.