Bates Technical College Center for Allied Health Education

Construction of the Center for Allied Health Education is well underway. The Walsh Group has been working with Bates Technical College, State DES, Schreiber Starling Whitehead Architects and all of our design build partners for the last year designing a building that meets the needs of Bates’ Allied Health programs. With input from the staff of Bates Technical College we are constructing a building specifically tailored to the needs of students and faculty. This monthly newsletter will show some of the structural demolition, ramp work and backfill that has been ongoing throughout December.
Demo

Structural demolition was completed last month using primarily excavators. This included removing structural elements of the building such as beams, columns, elevated slabs, and shear walls. After the completion of the demolition the concrete will be processed so the material can be recycled on site.
Ramp

Construction of the ramp progressed throughout December. Following excavation, forming, and reinforcement placement for the concrete foundation and grade beams took place. Then the columns and shear wall were placed. Some of the columns utilized in the construction of the ramp are pre-existing. The next steps are placing the concrete for the beams and post tension deck that will be done concurrently. Post tension reinforcement cables will be placed within the concrete ramp slab. These cables will then be stressed. This puts compressive forces into the concrete deck which provides the strength needed to carry the vehicle loads.
Processing and Sub-Grade

Now that the structural demolition has been completed, processing and backfill will begin. The concrete from the former West Annex building will be processed for re-use. This involves removing the rebar and breaking the concrete into smaller pieces so that it meets the Sub-Grade requirements.

After the concrete has been processed the crushed concrete will be spread across the site and compacted to a suitable strength so that the Center for Allied Health Education can be built on top.