Building Report | E/W Tech Renovations & Addition

7.12.19

The following are pictures from week of 6.24.19 - 7.12.19 in regards to the East/West Technology Buildings Renovations and Addition Project. With the Independence Day holiday break I decided to combine the last few weeks of reports together as construction slowed slightly during that time period. Activity has picked back up with the grade beams for the foundation being installed as well as many infrastructure items such as new thickened slabs, HVAC ductwork, and the beginnings of the new building-wide fire sprinkler system. Some of the steel for the new addition has been shipped and is ready for installation. There is also some underground infrastructure updates happening in regards to both the sanitary and storm water systems. The electrical contractor is working on relocating all of the old panels from the corridors to their new rooms in both wings of the building. For future reference I have switched out the reference floor plans shown below from old to new as demo ends and new construction is the focus of the contractors.



Photo #1 shows the area that will be the new unisex restroom in the western half of the building. Here you can see the existing floor slab cut open for new plumbing and a thickened slab that will support the new masonry wall that will be constructed soon. Photo #2 shows the first of the grade beams as part of the foundation system at the north end of the building addition. Photo #3 shows the contractors installing the formwork and reinforcing steel cages so the concrete can be placed for the grade beams for the center section for the building addition. We are on track for the foundations to be completed so that the structural steel for the addition can start going up around the end of July.









I created this diagram to better illustrate the foundation system for the new addition.

- New masonry wall.
- -New floor slab with stone base
- New grade beam
- New caisson
- Existing bedrock

Note: not shown is the existing soils that would surround the caissons, above the bedrock, and below the floor slab. This system is used when the existing soils cannot support the weight of the new structure which is the situation we have in this area of campus.