

Building Report | CLRC Renovations and Additions Project

10.29.21

The following are pictures from the week ending in 10.29.21 in regards to the CLRC Renovations and Additions Project. Despite some weather challenges presented by the heavy rains earlier in the week this project continues to track well. Even though the site conditions were less than ideal this week the excavation contractor was able to complete more of their assigned work. The excavation on the south side of the building will be slow on purpose as there are a lot of utilities and the mechanical tunnel to work around. Nearly all the new stud walls are installed on the second floor and now the contractors are focusing on installing miscellaneous items such as blocking. Some of the areas that will be less accessible once all the various infrastructure is in has received its wallboard already. This way it can be taped and mudded so that the drywall installers are not in the way of others trades that are trying to complete their work. The floors are marked on the first floor and their installation will begin next week, so the spaces in that area will soon start to take shape.

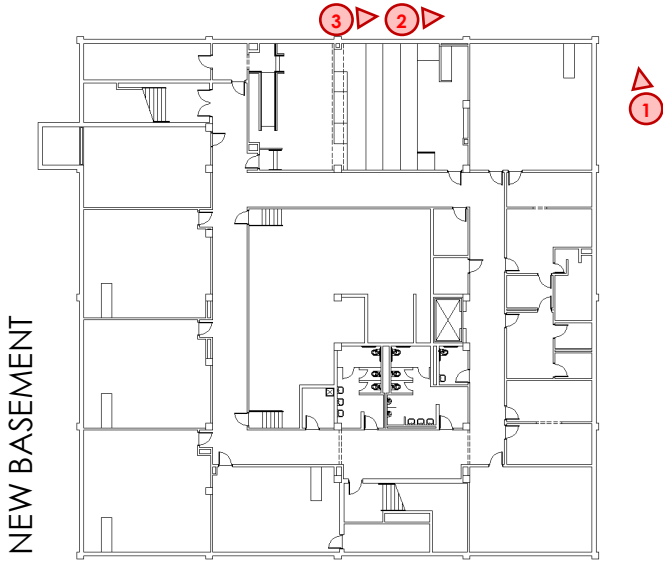


Photo #1 shows the progress of the excavation around the southern perimeter of the basement. Despite the heavy rains earlier in the week the contractors were still able to complete the work needed on the east face to expose the basement walls for waterproofing. Additionally, the existing utility vault was exposed and lowered. As more excavation is done the vault will be lowered more and then finally abandoned and grouted solid as, again, it is no longer needed.



Photo #2 was taken on the east side of basement and shows the entirety of the wall surface exposed that will eventually receive the waterproofing treatment. The treatment will be done in stages and similar to how the excavation is being carried out in layers the installation and backfilling will happen in parts as well. This will happen for two reasons: 1) to be able to control the installation so as to work in smaller and more manageable sections, and 2) to allow for proper compaction of the backfill as it is being placed.



Photo #3 was in the same location as Photo #2 but later in the week. The contractors have placed some sediment control measures to help prevent what happened earlier in the week and have the rain wash the soil back into the work area.

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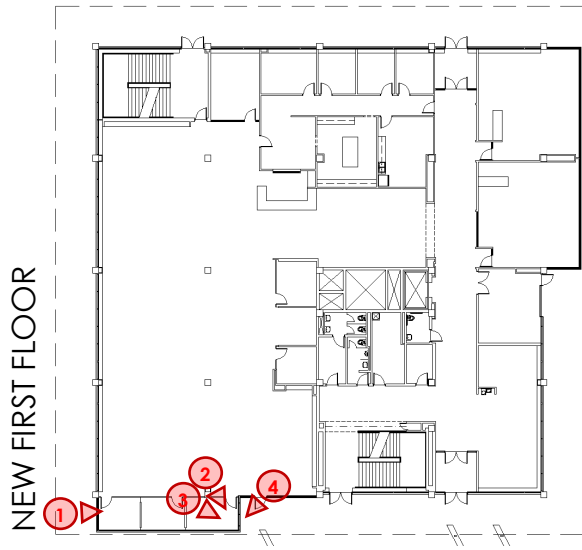


Photo #1 shows the now completed foundation system for the addition off of the northwest corner of the first floor. Next week the contractors will fill in the depressed area between the foundation and existing walls with compacted stone and place the new concrete floor slab on top of the fill. After the new floor slab has time to properly cure the new curtain wall system can start being installed in an effort to weather-proof this portion of the first floor.

Photo #2 was taken earlier in the week of the new foundation system and highlights the top row lock course of concrete block. This course essentially acts as a lintel and contains the reinforcing bars that will help control the lateral movement of the addition's foundation system.



Photo #3 was taken later in the week after Photo #2 and shows the cores of the concrete block being grouted solid so that the individual units act like one unit, or similar to if the wall had been constructed of a poured concrete wall.



Photo #4 highlights the last step for the foundation system installation and that is the application of the waterproofing. It is important to the future interior humidity levels of the addition that there are control measures in place so that moisture doesn't seep through the concrete block and then up through the floor slab into the interior of the building. This can happen as concrete is a very porous material.



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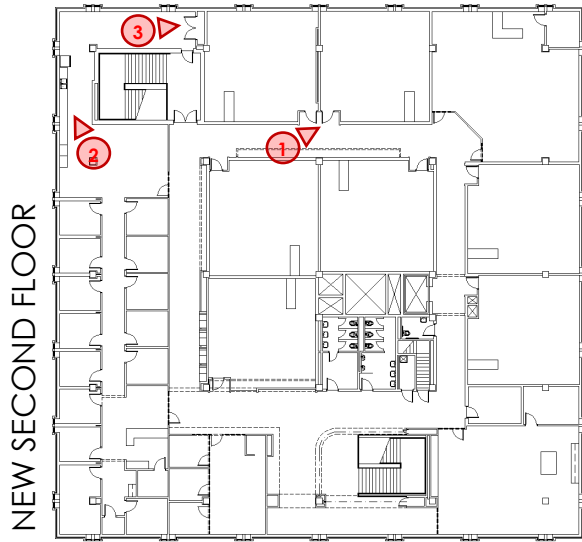


Photo #1 is of the new fire-treated wood backer board that is being installed at many of the classroom entrances on the second floor. This backer board is needed to properly support the final wood accent finish that will be applied later in this area.

Photo #2 shows more blocking being installed prior to the future wall-board installation. Here 2x fire-treated wood blocking is being installed that will help support the future cabinetry in this area which is set to become the kitchenette for the adjacent staff lounge.

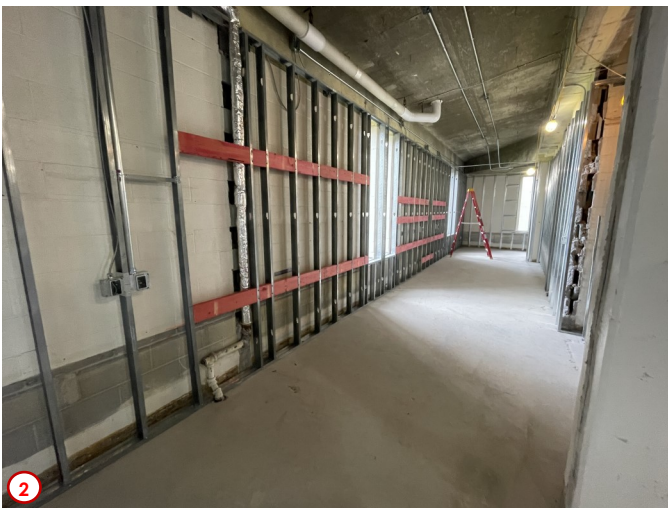


Photo #3 was taken at the end of the future staff lounge where an electrical closet will be located. The frames of the future electrical panels have been installed, a lot of the many new electrical conduits have been terminated into them, and even some of the new wiring has been pulled that will eventually terminate into new circuit breakers.



Photo #4 was actually taken in the mechanical penthouse on the "third floor" of the CLRC. The highlighted area shows some of the new fire-sprinkler lines being routed through the space. The fire-sprinkler contractors are nearly done with the penthouse and when finished will move down to the second floor, then onto the first floor, and then eventually into the basement where they will connect everything to the fire riser in under the western stair tower.

