UPCOMING CONSTRUCTION ACTIVITIES: WEEKS OF JUNE 11TH & JUNE 18TH

Steel Erection: Structural steel erection continues to make substantial headway on their erection as they are currently wrapping up level 4 on the westernmost side. The tunnel coming in from the South heading into the South side of East Energy Station is 100% complete, waterproofed, and backfilled (see top left picture). Due to the size of the building footprint and a constrained site, constant communication has been critical for site logistics for all trades to execute their work efficiently and effectively.
There is one-way in and one-way out of the site, which has created numerous logistical obstacles to overcome as a team. Bolander (McGough’s Earthwork/Utility contractor) is continuing to backfill soil around the South and East sides of the East Energy Station, however they will have to wait until the basement slab on grade is poured before they can finish backfilling around the entire building, thereby starting the work on the exterior façade of the new addition. Bolander continues to install storm utilities East and South of East Energy Station (this work must be phased as there are numerous components and trades that have underground work in this area). Our waterproofing contractor is continuing to work side-by-side Bolander as walls become available, they are waterproofing and then backfilling in a harmonious fashion. McGough’s steel erection partner will continue to erect steel at a swift pace while complying with industry-wide safety regulations and McGough’s safety protocols. They are right on schedule as they continue to work quickly and safely on the erection of the Science Addition. According to our sequencing plan (refer to pictogram on page 3), they have finished erecting the entire first floor and are wrapping up the erection of the west half of the building up to the new roof elevation. As they finish the last beams and girders in this area, they will continue to work to the East until they are topped out and 100% complete with the steel erection. Since the tower crane is almost completely tied up with steel erection currently, a smaller “potain” crane has been brought to the site to assist in setting the East “ earmuff”, or the eastern side of the new atrium. This crane was dropped off at the site on Thursday, May 24th. Harris (McGough’s mechanical contractor) will start to install the 12” geothermal pipe mains along the south side of East Energy Station. These tie the campus-wide geothermal heating and cooling system to the supporting mechanical equipment needed to distribute the heating and cooling loads to the entire campus. This week, McGough’s concrete group is working on the foundations between the basement of the new addition and the Olin foundation by fully incasing several steel beams in concrete post-installation. Friday this week (weather pending), the concrete group is targeting to pour level 1 slab-on-metal-deck (SOMD) pour #1 (refer to pictogram on page 4). Work on the East earmuff (east end of the atrium) began this week as we begin to tie in to Olin Hall. We have started work on the interior of Hulings in an effort to alleviate excessive work during the summer of 2019. This week, McGough is working on the demolition of the 1st floor tile in Hulings. Next week, we will begin setting a big steel beam on the 1st floor of Hulings (this process will be very noisy, we apologize for the inconvenience and ask that you bear with us through this process).

The campus, and surrounding neighborhoods, can continue to expect heavy multi-axle truck traffic next week as we continue to move material to and from the project site along Olin Road. Please note that steel erection has begun in earnest and steel delivery trucks will continue to make daily visits until the building is completely erected. Given the small laydown area, there is not adequate room to stage vast quantities of materials onsite at any given time. This requires our structural steel vendors to coordinate “just-in-time” deliveries with the McGough Superintendents and Foremen in order to create an efficient and effective delivery and installation work flow. They are utilizing a small “boneyard” at the base of the tower crane where they are storing the steel going in that same day. As always, safety is our #1 priority on this project and all McGough projects alike. To date there have been 2 very minor injuries reported; neither of these were “lost time” injuries—McGough takes this very seriously and we strive to make sure every worker goes home safely each and every night. We have installed temporary provisions to protect all students and faculty from the increased traffic. We implore everyone to practice “Heads up Commuting” while walking or biking in this area. If you have any ideas on how to improve any of these safety measures as you come upon them, please speak up! Additionally, please feel free to tune in to Carleton’s live webcam to view our progress at the following web address:

https://apps.carleton.edu/campus/doc/Sci_Plan_Const/Updates/
Week of June 11\textsuperscript{th} – Targeting to pour the second half of 1\textsuperscript{st} floor SOMD, backfill the South and East side of the addition immediately following SOMD pour #2, Hulings Vivarium process begins on 6/11/18, Hulings 1\textsuperscript{st} floor structural beam install process begins (**\textbf{Note}: This will be a noisy activity).

Week of June 18\textsuperscript{th} – Geo well drilling process begins this week as well as the directional boring process for Volume 0 and the master utility plan process for Volume 1. Steel erection will continue while starting preparations for the following week’s level 2 SOMD pour #3.

This and next week’s highlighted focus: