



NORTHWESTERN UNIVERSITY

FACILITIES MANAGEMENT

DESIGN AND CONSTRUCTION

August 19, 2015

RE: Louis A Simpson & Kimberly K. Querrey Biomedical Research Center Anticipated Construction Sequence.

Construction on Northwestern University's Louis A. Simpson and Kimberly K. Querrey Biomedical Research Center is scheduled to begin in late August 2015. The construction site is located at 303 E. Superior, and will be contained within the lot between the existing Lurie Medical Research Center and Rehabilitation Institute of Chicago (see attached site logistics map). When completed, the new Center will provide space for researchers, post-doctoral fellows, medical students, and staff working to find the causes of and cures for cancer, cardiovascular disease, neurodegenerative disorders, and genetic diseases.

In advance of the start of our work, we wanted to provide you with information about the expected construction timeline. Additional notices will be sent to address additional activities as needed. All construction activities will occur Monday through Saturday during the hours of 8 AM to 8 PM and be done in accordance with City of Chicago ordinances.

We have also included our expected truck route for moving construction vehicles in and out of Streeterville with as minimal a disruption as possible. Following is a proposed timeline:

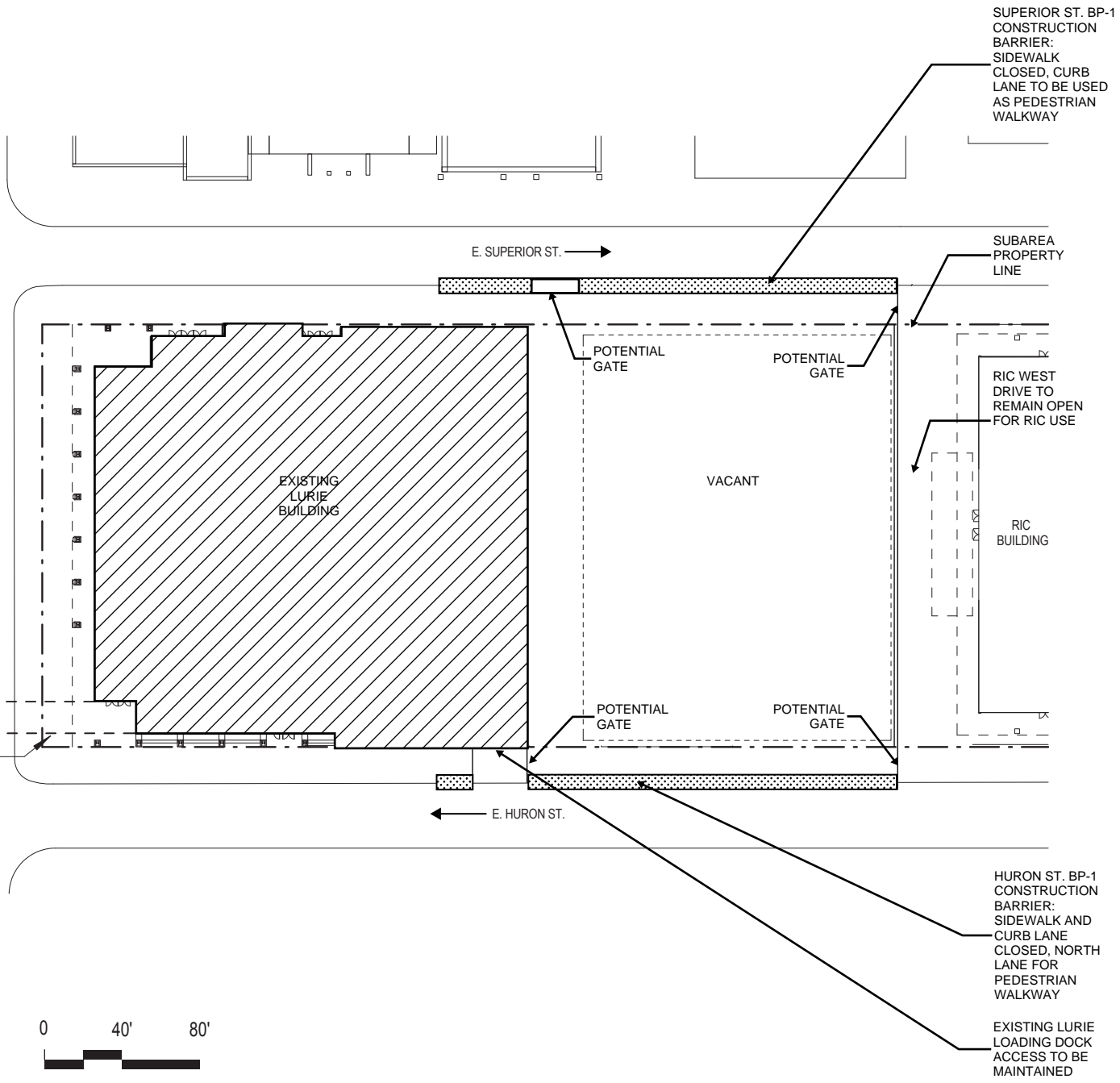
- August-September 2015: In preparation for the start of construction, a series of construction barriers and construction fencing will be installed on Superior and Huron Streets. These barriers will close the existing sidewalks to create space for the installation of a site retention system and the excavation equipment. Pedestrian access along both Superior and Huron streets will be routed into the curb lane which will be protected from traffic with concrete jersey barricades. Note, this pedestrian access will be ADA accessible and will be maintained during winter months to allow pedestrian movement.
- September –October 2015: Site work will begin with the underpinning and reinforcing of Northwestern University's existing Superior Street Utility Tunnel. This work will require removal of an existing basement wall along Superior Street in sections so that small diameter (6") 'pin' foundations can be drilled to support the south side of existing tunnel. We expect this to have minimal noise and vibration impact and to be completed by mid-October 2015.
- September 2015- December 2015: We will begin caisson installation. We expect this will have a significant noise and vibration impact to surrounding Northwestern University buildings. Over 120 caissons will need to be drilled, more than half of which will have 5' diameter shafts or larger down to 100' below grade.

- November 2015-March 2016: We will begin to install earth retention sheeting on three sides of the site. Earth retention is a sheet pile system which is driven by a vibratory mechanism. As with the caisson installation, we expect this activity could have significant impact to the surrounding Northwestern University buildings from a noise and vibration standpoint as construction workers will be required to push/vibrate 70' long corrugated metal sheets that have 30" webs into the ground.
- March 2016-July 2016: We will begin the deep excavations and bracing along the east side of the Robert H. Lurie Medical Research Center. We expect noise and vibration will be generated as we remove the existing steel sheeting and lean concrete backfill along the east side of Lurie. We will also be removing the existing caissons as we excavate.
- August 2016-March 2018: Tower crane(s) will be installed and utilized for the erection of the underground construction and the above ground steel structural framing and exterior building enclosure.
- August 2016: We anticipate that construction will be at the bottom of the excavation. At this point, we anticipate the majority of the heavy vibration and noise to be complete. From August 2016 moving forward, 'normal' construction activities will proceed until the end of 2018 when the project is anticipated to be complete. We expect general levels of construction noise and vibration to be relatively less than the demolition process the previous year.
- September 2016: In preparation for the start of overhead construction, the construction barriers and construction fencing will be reconfigured and expanded on Superior and Huron Streets to provide overhead protective canopies. These barriers will continue to close the existing sidewalks and will provide east-west pedestrian access on both Superior and Huron Streets via the curb lanes which will be protected from traffic with concrete jersey barricades. Note, this pedestrian access will be ADA accessible and will be lit maintained during winter months to allow pedestrian movement.
- Winter 2018: Construction barriers will be removed to complete the site, street and landscaping work preparation for the opening of the building.

If you have questions at any time, please do not hesitate to contact Jay Baehr, Senior Project Manager, or Brian Kittle. Information for contacting Jay and Brian is included below:

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FOUNDATIONS & UNDERGROUND CONSTRUCTION
 BP-1 SITE LOGISTICS
 AUGUST 2015 - THRU OCTOBER 2017

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