EVANSTON LABS - EVANSTON - COMMERCIAL BUILDING

710 Clark Street

Evanston, IL 60201





ZoE Life Evanston Labs Owner, LLC



General Contractor

Owner

Architect

Construction Management Plan | Phase 1-4September 8^{th} , 2022

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CONSTRUCTION SITE MANAGEMENT PLAN

The Construction Site Management Plan, prepared by Power Construction, outlines the construction process and procedures that will take place during the construction of the Evanston Labs Commercial Lab Science Building located at 710 Clark Street in Evanston, Illinois.

Site Logistics Plans

The attached and following exhibits are the logistic plans that will be utilized during the project. The project will be completed in (4) phases.

Phase 1 – Mobilization / Site Demolition / Potholing / Underpinning

Approximate Duration = 2 Months, *Exhibit B*

Phase 2 – Caissons / Earth Retention / Excavation / Foundations

Approximate Duration = 5 Months, *Exhibit C*

Phase 3 – Superstructure / Enclosure / Interior Finishes

Approximate Duration = 9 Months, *Exhibit D*

Phase 4 – Streetscape Improvements / Landscaping / Interior Finishes

Approximate Duration = 3 Months, *Exhibit E*

The project's field office is planned to be located at 716 Clark St in the existing location of Beck's Book Store.

Phase 1 – Mobilization to the project site for site demolition, potholing and underpinning construction will occur following the receipt of a demolition permit. The project's site, for Phase 1, will be configured per Exhibit's B's site logistics plan. During Phase 1, the extent of encroachment into the public way will include the sidewalk along Orrington Ave. from approximately the north end of the alleyway between the Hilton Orrington and the project property line, continuing north and stopping where the current sidewalk ends at the corner of Orrington Ave. and Clark Street. Encroachment into the public way will also occur to the sidewalk along Clark St. from approximately the corner of Clark St. and Orrington Ave, continuing west to the property line between Evanston Labs project site and closed Beck's Book Store. Pedestrian traffic along Orrington Ave. will be directed to walk along the east side of Orrington Ave. by the use of "Sidewalk Closed Ahead, Use Other Side" being posted at the nearest intersections, in advance of the beginning and end of the aforementioned sidewalk closure. Pedestrian Traffic along Clark St. will be directed to walk along the North side of Clark St. by the use of "Sidewalk Closed Ahead, Use Other Side" being posted at the nearest intersections, in advance of the beginning and end of the aforementioned sidewalk closure. The signage and barricade to show that the crosswalk is closed shall remain until project completion. The nearest intersections that pedestrians will be notified of the Clark St. and Orrington Ave. sidewalk closure are ADA accessible ramps. Access to the existing fire hydrant identified on the corner of Orrington Ave. and Elgin Rd. will remain open.

The overall extent of the site that faces the public way including the alley between Hilton Orrington and the project site will be secured with 6' high fence with screening secured a-top traffic jersey barriers that are a minimum of 32" high creating a 8' 8" high system. The extent of the side between the residential property and closed Beck's Book Store to the west will be secured with a 6' high fence with fabric. The fence will be maintained throughout the duration of the project and will be pole driven as required for proper performance. Required signage on the construction fence along Clark St. and Orrington Ave. shall include a project rendering and emergency contact information. All other fence openings/gates shall include the required emergency contact information. During Phase 1, a white board with red letter signage will be provided on the street side of the fence to denote any and all fire protection systems, i.e. (fire hydrant, Fire Department/Standpipe Connection, etc.) located on the construction side of the fence. A Knox box lock with a key will be attached to the fence for the Fire Department to have access to site fire department connections. Fire extinguishers will be provided during project duration and after in accordance with code requirements.

Starting in phase 1 for the duration of the project the public parking stalls in front of 716 Clark St, 718 Clark St, and 720 Clark St. will be blocked off to allow construction traffic to exit the project site. There will still be public parking available on the north side of the one-way Clark St. If the capacity of these spaces is full additional metered parking is available at locations 10 and 19 identified in Exhibit F.

The demolition of two existing buildings, a closed Burger King to the North and a vacated three (3) story residential apartment building to the south, will be executed by the use of an excavator and shall be done so per OSHA standards and Cook Country and City of Evanston Environmental Protection Agency Regulations. The building will be deemed free of hazardous materials such as asbestos by a licensed asbestos abatement contractor prior to mass building demolition begins. Three (3) gates will service the site allowing trucks to enter and exit the project. Protection to the adjacent structures will be provided if required. Any debris that falls outside of the fenced limits will be removed and cleaned immediately. If required during construction dust control will be used in the form of sprayed water to limit the impact to the surrounding areas. Staging of trucks on Clark St. or any surrounding area will not be allowed during building demolition. After site demolition is complete potholing will take place to confirm existing conditions and layout work that is soon to commence. Underpinning of the residential building to the west of the project site will occur during phase 1 of construction. The neighboring building will have an initial interior and exterior survey completed prior to commencement of underpinning procedures. Adjacent structures will be monitored for vibrations, settlement, and uplift. During Phase 1, concrete wash station will be provided on site.

Phase 2 – Deep foundations by the means of drilled and poured caissons will be installed. An earth retention system, consisting of metal sheet piling, will be installed by means of vibration at the perimeter of the building. During this time neighboring buildings will be monitored for vibrations to ensure they are below damaging levels. The system is designed to hold back the soil outside the building perimeter and additional loading caused from buildings and vehicles traffic. The building earth retention system will remain in place indefinitely and be incorporated into the final construction of the basement. The excavation will be executed by the way of open cut and shall be done so per OSHA standards. (3) Gates will service the site to allow for trucks to enter and exit the project. Detailed flagmen for trucks entering and exiting the site will be present to manage traffic at the gate traffic is occurring at. Street sweeping and snow removal around site fence will be completed as necessary to maintain proper City of Evanston public-way cleanliness. Inlet protection will be installed, maintained and/or cleaned regularly

throughout Phase 2. Foundations beginning approximately in the middle of the east end of the mass excavation will be concrete grade beam and structural slab on grade construction. During this time additional engineered concrete foundations will be poured for a personnel hoist on the north side of the building in the sidewalk area along Clark Street and tower crane base located inside the building footprint at the north east corner. Materials or laydowns will not be allowed to take place in this clear zone. During Phase 2, a white board with red letter signage will be provided on the street side of the fence to denote any and all fire protection systems, i.e. (fire hydrant, Fire Department/Standpipe Connection, etc.) located on the construction side of the fence. A Knox box lock with a key will be attached to the fence for the Fire Department to have access to site fire department connections. Fire extinguishers will be provided during project duration and after in accordance with code requirements.

For the protection of pedestrians and vehicular traffic, the site fence will move from the Phase 1 location on eastern side of Orrington Avenue's sidewalk curb to the eastern side of Orrington Avenue's Parking Lane. Procuring the parking lane along Orrington Avenue allows for trucks entering and exiting the project site to deliver and/or remove materials, to happen within the boundary of the site fence. This addition of encroachment into the public way will be inclusive of only the parking lane along Orrington Avenue from approximately the north side of the existing alley between the project site and Hilton Orrington and stopping where the current parking lane ends, near the corner of Orrington Ave. and Clark Street Northbound traffic along Orrington Ave. shall remain unaffected because the fence only encroaches into parking areas. The site fence will move north from the Phase 1 location on the south side of Clark Street's sidewalk curb line to the southern edge of the southmost driving lane of Clark Street. The fence movement allows procurement of the parking lane along Clark Street for trucks to enter and exit the project site to deliver and/or remove materials. This addition of encroachment into the public way will be inclusive of the parking lane along Clark Street from the corner of Orrington Avenue and Clark Street to the property line between closed Beck's Book Store and project site. Additionally, the encroachment will include a non-designated section of Clark St. after the turn onto Clark Street from Orrington Avenue to the start of the angled parking stalls on the south side of Clark Street. The fencing will jog to accommodate vehicle traffic turning onto Clark Street from Orrington Ave. West bound traffic along Clark Street will remain unaffected from the site fencing movement on Clark Street as it does not affect the designated driving lane.

Pedestrian traffic will continue to be directed to walk on the east side of Orrington Ave. During Phase 2 by the way of "Sidewalk Closed Ahead, Use Other Side". This signage will remain posted at the nearest intersections and current crosswalk across Clark Street from Elgin Road at the beginning and end of the aforementioned sidewalk closure, on the west side of Orrington Avenue. Pedestrian traffic will continue to be directed to walk on the north side of Clark Street during Phase 2 by the way of "Sidewalk Closed Ahead, Use Other Side". This signage will remain posted at the nearest intersection and current crosswalks across Sherman Ave. from the southwest corner of Clark Street and Sherman Ave. at the beginning of the sidewalk closure, on the south side of Clark Street. These closure signs will remain for the duration of the parking lane and sidewalk closure. The nearest intersections that pedestrians will be notified of the Orrington Avenue sidewalk closure are ADA accessible ramps.

(4) Gates will service the site to allow for trucks to enter and exit the project. Detailed flagmen for trucks entering and exiting the site will be present to manage traffic at the gate traffic is occurring at. During Phase 2, concrete wash station will be provided on site. Street sweeping and snow removal around site fence will be completed as necessary to maintain proper City of Evanston public way cleanliness. Inlet

protection will be installed, maintained and/or cleaned regularly throughout Phase 2. No staging of trucks will be allowed on Orrington Avenue and Clark Street or any streets within the Evanston city limits.

For truck traffic will be directed in the following way for all deliveries;

- 1. (Go North) on Orrington Ave. from Church St. Traffic is only allowed on Orrington between Church St. and Clark St.
- 2. Enter the project at Gate 1, Gate 3, or Gate 4.
 - a. Deliver to the project.
- 3. Exit the project back onto Clark Street from Gate 2 or Gate 3 and go west.
- 4. Continue on designated truck routes

For truck traffic that is too large, e.g., a 53' semi-trailer, the following alternate route will be directed as follows;

- 5. (Go North) on Orrington Ave. from Church St. Traffic is only allowed on Orrington between Church St. and Clark St.
- 1. Enter the project at Gate 1, Gate 3, or Gate 4.
 - a. Deliver to the project.
- 2. Exit the project back onto Clark Street from Gate 2 or Gate 3 and go west.
- 3. Continue on designated truck routes

Phase 3 – During this time, a man and material hoist will be erected along the north elevation within the project boundary line as shown on Exhibit C. A tower crane, with an approximate jib length of 220' feet will be erected for podium and tower cast-in-place vertical construction operations. The tower crane will be used for moving materials to designated floors and to assist the concrete deck installer. As the concrete structure progresses vertically the enclosure will be constructed a few floors below. The interior finishes will start on each floor after they have been enclosed to prevent any damage to the materials. (6) Gates will service the site to allow for trucks to enter and exit the project. (2) Gates will be added to the south side of the project at the vehicle ramp to the basement and ground-level freight door. Detailed flagmen for trucks entering and exiting the site will be present to manage traffic at the gate traffic is occurring. During Phase 3, concrete wash station will be provided on site. Street sweeping and snow removal around site fence will be completed as necessary to maintain proper City of Evanston public way cleanliness. Inlet protection will be installed, maintained and/or cleaned regularly throughout Phase 2. No staging of trucks will be allowed on Orrington Avenue and Clark Street or any streets within the Evanston city limits. During Phase 3, a whiteboard with red letter signage will be provided on the street side of the fence to denote any and all fire protection systems, i.e. (fire hydrant, Fire Department/Standpipe Connection, etc.) located on the construction side of the fence. A Knox box lock with a key will be attached to the fence for the Fire Department to have access to site fire department connections. Fire extinguishers will be provided during project duration and after in accordance with code requirements.

Pedestrian traffic will continue to be directed to walk on the east side of Orrington Avenue during Phase 2 by the way of "Sidewalk Closed, Please Use Other Side" remaining posted at the nearest intersections and current crosswalk across Clark Street from Elgin Road at the beginning and end of the aforementioned sidewalk closure, on the west side of Orrington Avenue. Pedestrian traffic will continue

to be directed to walk on the north side of Clark Street during Phase 2 by way of "Sidewalk Closed, Please Use Other Side". This signage will remain posted at the nearest intersection and current crosswalks across Sherman Avenue from the southwest corner of Clark St. and Sherman Ave. in advance of the beginning of the aforementioned sidewalk closure, on the south side of Clark Street. These closure signs will remain for the duration of the parking lane and sidewalk closure. The nearest intersections that pedestrians will be notified of the Orrington Avenue sidewalk closure are ADA accessible ramps.

Phase 4 – Streetscape Improvements and Landscaping. During the last (2) months of the project improvements to the streetscape and ground level building landscape work will commence and be completed. For the protection of pedestrians and vehicular traffic, the site fence will remain in its' Phase 3 location. However, because Phase 4 will be the phase that we restore the street and sidewalks, the fence will be installed with bracing/weights so that it can be efficiently moved around during the day to allow for asphalt paving and/or concrete road and/or sidewalk construction to properly be installed. At the end of each day, any portion of the fence that was moved east, away from the line of the parking lanes, will be moved back to the line of the parking lanes to secure the site. The (6) gates shown in Phase 3 will remain but be converted into removable fence panels to allow for trucks to continue to enter and exit the site as necessary. This continued encroachment into the public way's extent remains from approximately the north side ally between Hilton Orrington and the project site property line, continuing north and stopping where the current parking lane ends, near the corner of Orrington Avenue and Clark Street. The encroachment in the public way also occurs west of the project site property line heading east to the corner of Clark Street and Orrington Avenue. At the end of Phase 4's improvements and restoration, the fencing will be removed for the sidewalk and parking lane to be open again. During this process, the removal of any temporary signage/measures for the proper routing of vehicular and/or pedestrian traffic will be removed. Northbound traffic along Orrington Ave and west bound traffic along Clark Street shall remain unaffected.

Pedestrian traffic will continue to be directed to walk on the east side of Orrington Avenue During Phase 4 by the way of "Sidewalk Closed Ahead, Use Other Side" remaining posted at the nearest intersections and current cross walk across Clark Street from Elgin Road at the beginning and end of the aforementioned sidewalk closure, on the west side of Orrington Avenue. Pedestrian traffic will continue to be directed to walk on the north side of Clark Street during Phase 4 by the way of "Sidewalk Closed Ahead, Use Other Side" this signage will remain posted at the nearest intersection and current crosswalks across Sherman Avenue from the southwest corner of Clark St. and Sherman Ave. at the beginning of the aforementioned sidewalk closure, on the south side of Clark Street. During Phase 4, a whiteboard with red letter signage will be provided on the street side of the fence to denote any and all fire protection systems, i.e. (fire hydrant, Fire Department/Standpipe Connection, etc.) located on the construction side of the fence. A Knox box lock with a key will be attached to the fence for the Fire Department to have access to site fire department connections. Fire extinguishers will be provided during project duration and after in accordance with code requirements.

General – Periodic temporary closures during truck access and exiting, critical heavy lifts of large equipment, tower crane set up and removal, etc. will occur during any of the previously listed and described phases and will be submitted separately for specific ROW permitting. Certified flagmen will be present to ensure the safety of public and vehicular traffic. Signage directing pedestrians to the relocated walkway will be in place and maintained throughout construction.

Street light removal and storage will be coordinated with the Traffic Supervisor. In replace of the street lights being removed, temporary lighting along Orrington Ave and Clark Street, within the project fence line, will be utilized. Installation of temporary lighting will be per Traffic Supervisor's instruction. Any sign removal will be coordinated with the Traffic Supervisor. Scheduled workday ROW closures for portions of Orrington Ave. will be required for the connection of underground wet and dry utilities. This work will be scheduled with the City of Evanston at the time needed and at least one drive lane at Orrington Ave. will be maintained during the work.

Fire department will have access to the site and proper arrangements will be made with the fire department for necessary safety orientation.

All temporary facilities such as fencing, barricades, and trailers will be removed from the site upon completion of the project. Required signage with contact information shall be present during all stages of construction.

Project Schedule

Mobilization / Site Demo/ Underpinning	August 2022 – September 2022
Caissons / Earth Retention/ Excavation /	
Foundation	September 2022 – January 2023
Building Structure	January 2023 – May 2023
Façade/Windows/Roof	March 2023 – October 2023
Streetscape / Hardscape / Landscape	October 2023 – December 2023
Interiors	May 2023 – April 2024

Construction Work Hours

Work hours for the project will be per the City of Evanston requirements:

Monday - Friday:	7:00 AM - 7:00 PM
Saturday	8:00 AM - 5:00 PM
	Work not allowed unless permission is
Sunday	granted from the City

Construction hours are also noise limitation hours. There will be no deliveries, daily construction preparation/s, etc. outside of these hours. Temp lighting near the perimeter to be installed and maintained for safety and security purposes.

Contractor Parking

No onsite parking will be allowed for contractors apart from contractor loading and/or unloading of tools or equipment.

All construction personnel will be required to parking at 1700 Blk Chicago Ave. Parking Lot 3 OR 1700/1800 Benson Parking Lot 19. A map of public parking off-street facilities and lots is included as – Exhibit F.

No residential street parking will be allowed for contractors and/or subcontractors. Subcontractors will be reminded, weekly, of this rule during the project at weekly held jobsite meetings.

The previous mentioned parking rules will be incorporated into all Evanston Labs project specific contractual agreements.

Delivery Routes and Staging

We have reviewed publicly available City of Evanston website documentation regarding truck routes, bridge heights and general access to various parts of the City of Evanston and prepared a site access plan that is in compliance with the "City of Evanston Truck Routes" as published at the following web address (https://www.cityofevanston.org/home/showdocument?id=4204) and available as a part of this plan, attached as – Exhibit G. As noted previously in Phase 2, going south on Orrington Avenue to enter and exit out of the project is the most efficient option for the flow of traffic is it relates to the project and available City of Evanston truck routes. Trucks will all be directed to follow the City of Evanston established routes.

The staging of trucks on local residential streets will not be allowed.

Contractors and/or subcontractors who fail to abide by the previous listed rules within the Delivery Routes and Staging portion of this plan will be required to utilize alternative delivery drivers for their deliveries.

Vibration Monitoring

Vibration monitoring will be installed, maintained and read at (2) points at 716 Clark Street along the east side of the building and (2) points at 1710 Orrington Avenue (Hilton Orrington) along the north side of the building. Vibration monitoring will be maintained and read for the duration of all subgrade activities.

Settlement Monitoring

Survey points will be placed on site for monitoring and documentation as follows:

- 1. Settlement/Lateral survey points on 20 foot intervals along southern property line (where the property line meets the shared alley with Hilton Orrington)
- 2. Settlement/Lateral survey points on 20 foot intervals at the property line of 716 Clark Street along the west side of the project site.

Settlement monitoring will be maintained and read for the duration of all subgrade activities. Settlement monitoring will be forwarded to the City of Evanston shortly after the foundation walls are poured and bracing in the earth retention system is removed.

Erosion and Settlement Control

Erosion and Sediment control measures will be conducted per V3 Company Civil drawing C4.1, dated 7/1/2022.

Environmental Remediation

Soil sampling/analysis for 710 Clark Street, Evanston Labs project, has been completed. Based on this sampling and analysis, soil to be removed from the 710 Clark Street project is confirmed as acceptable by Chicagoland area Subtitle D and CCDD dumping locations. The confirmation of acceptance by each dump allows spoils from the 710 Clark Street site to be removed and dumped at either a Subtitle D or CCDD dump. Spoils removed from the project are determined to be Subtitle D or CCDD by the elevation they are taken from the subgrade and by the project environmental engineer.

Building / Foundation Survey

Before mobilizing to the project site, a building survey (with photos) of building's facades that are closest to the project site will be completed in an effort to document the existing exterior conditions of the following properties:

- Hilton Orrington, 1710 Orrington Avenue, Evanston, IL 60201
 - (Will also include interior survey and surface level surrounding area existing conditions)
- 716 Clark Street, Evanston, IL 60201
 - (Will also include interior survey and surface level surrounding area existing conditions)
- 718 Clark Street, Evanston, IL 60201
 - (Will also include interior survey and surface level surrounding area existing conditions)
- Existing conditions of adjacent streets and right of way

Work Site Communication with Neighborhood and Residences

The project team will make sure to update surrounding property owners or management companies of scheduled activities and/or milestones.

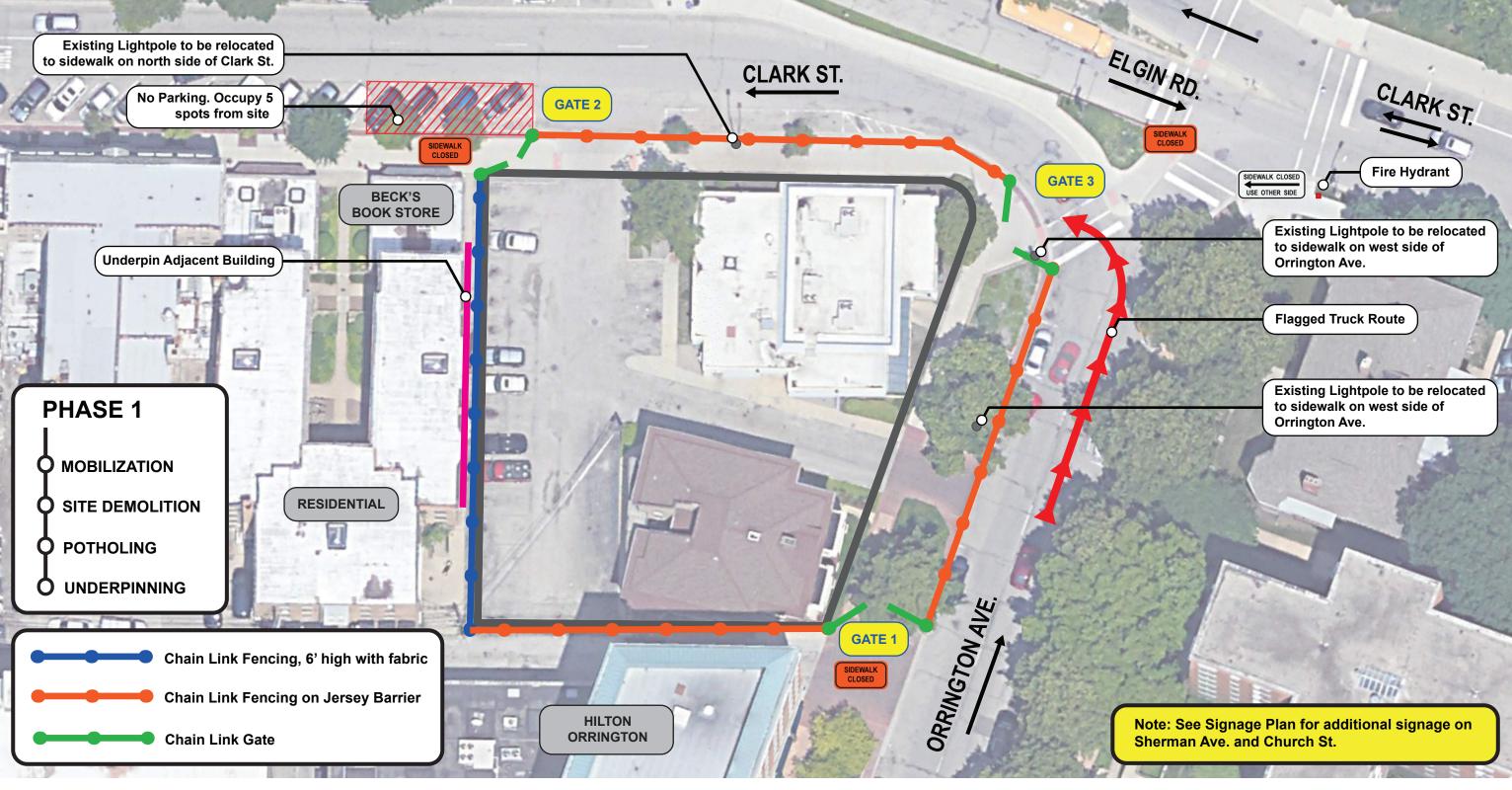
Subsequently, a project website will be created and once completed, be shared with the City of Evanston for them to add, as they please, to the approved planned development website. This website will provide updates throughout the duration of the project.

The current main project contact for construction is;

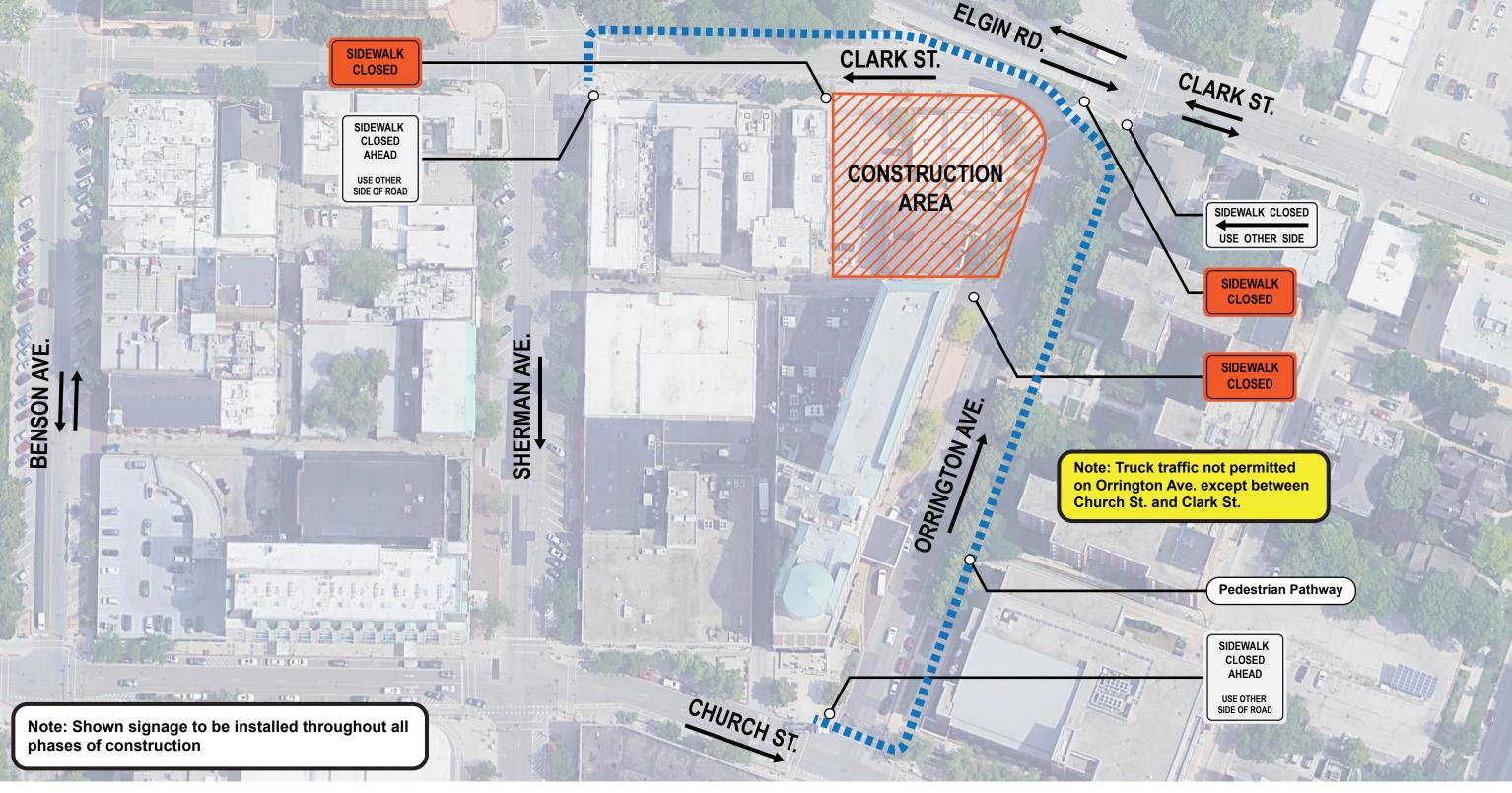
Tim McDonough, Project Manager, Power Construction Company, (847)-471-2961; tmcdonough@powerconstruction.net, 8750 W. Bryn Mawr Ave., Suite 500, Chicago, IL 60631

Additional contacts, as needed, will be added/shared with the City of Evanston. Also, as aforementioned, the emergency contact information, to be posted at the fence line of the project, will include all pertinent construction staff names and phone numbers.

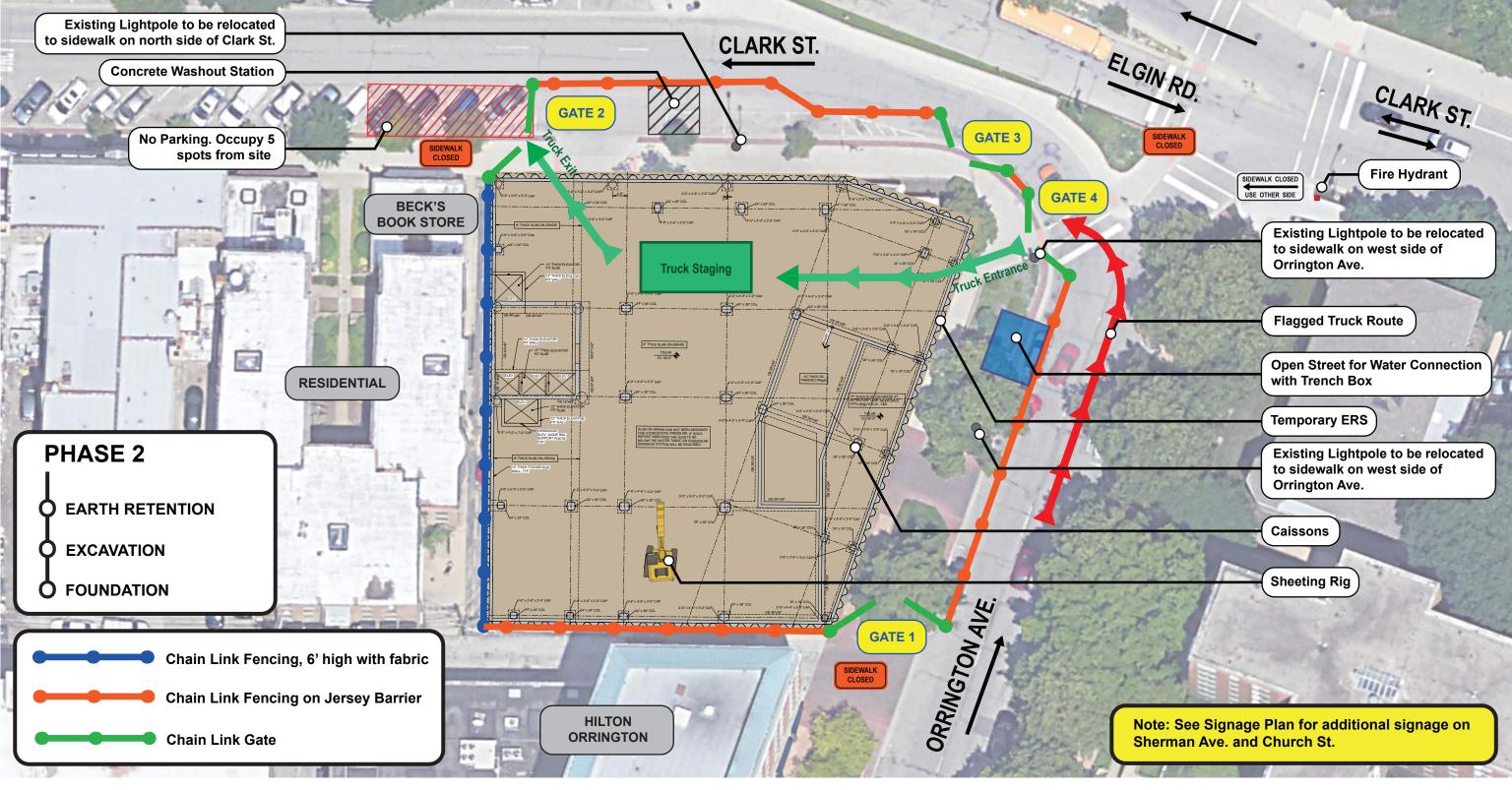
All public way closure notifications will be provided (1) week prior to commencement. Emergency phone numbers of contractor's key employees will be posted on the construction gates.



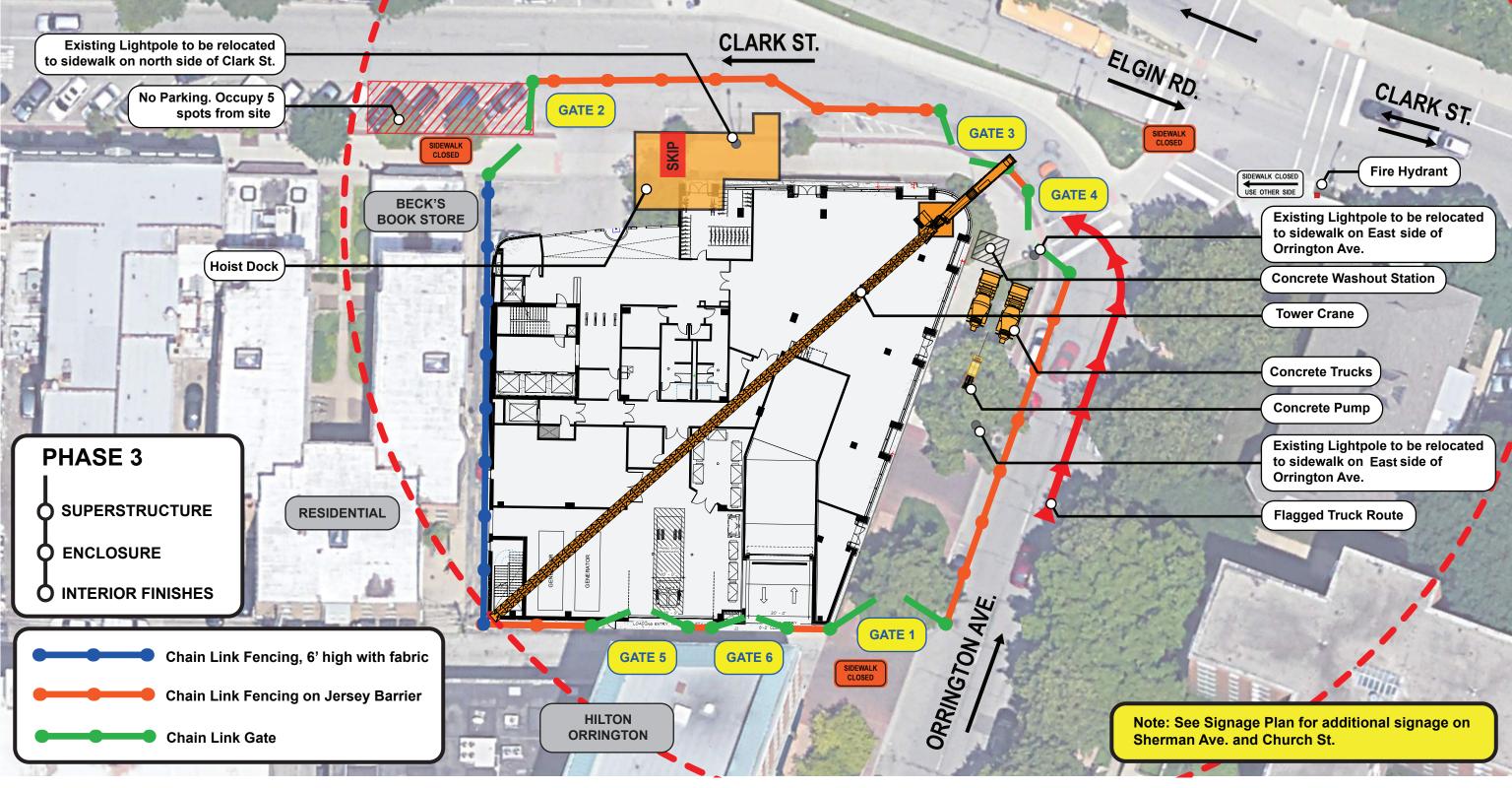




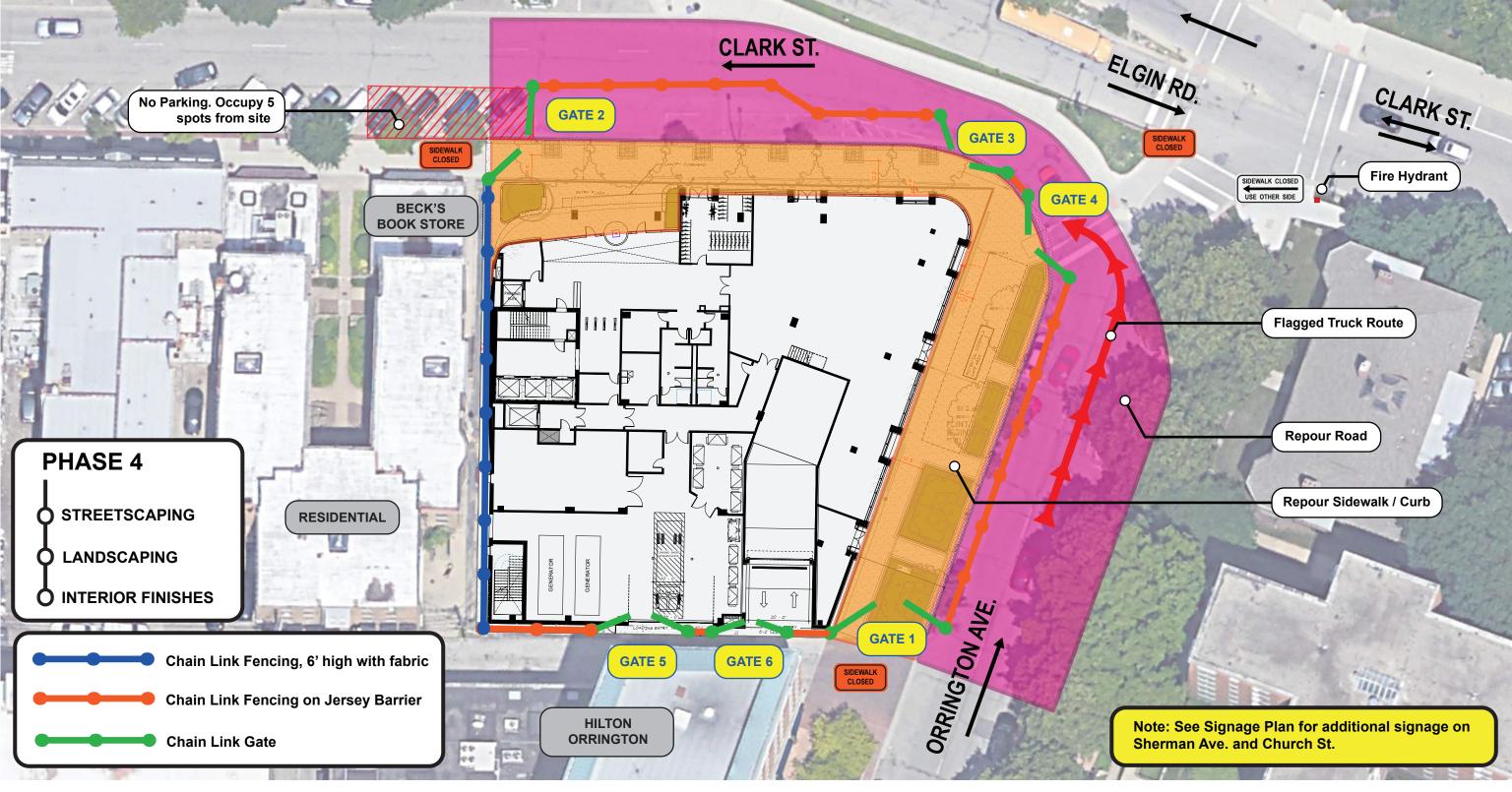




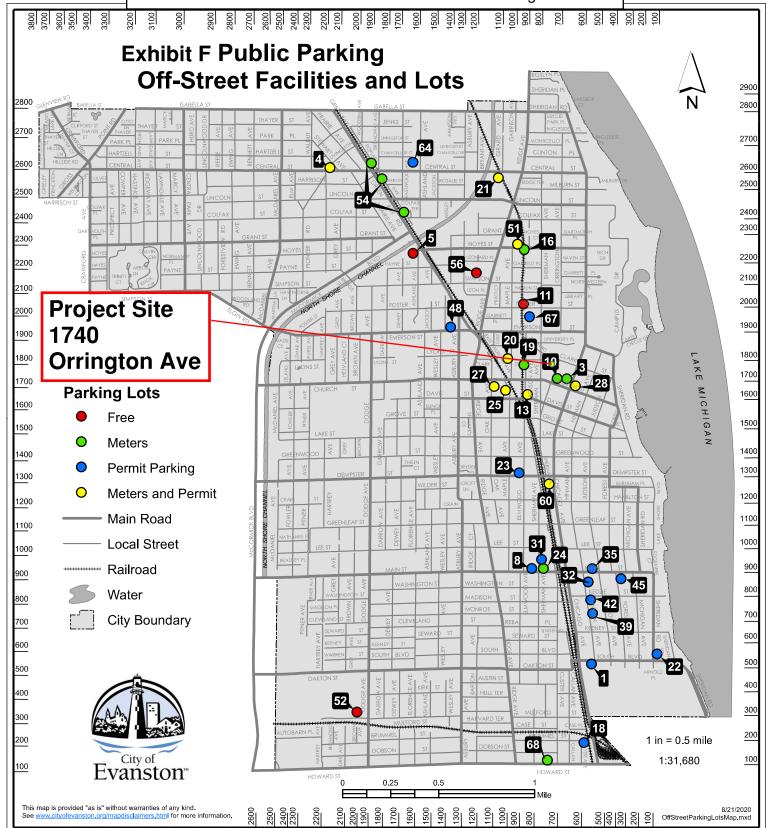












- 1: South Blv d & Hinman, 66 spaces [P]
- 1700 Blk Chicago Ave (behind library), 74 spaces [M]
- Central St. & Stewart, 66 spaces [M,P]
- Ashland Av e & Noyes St, 42 spaces
- 8: 811 Main Street, 49 spaces [P] 10: 1701 Orrington Ave (under library),

53 spaces [M]

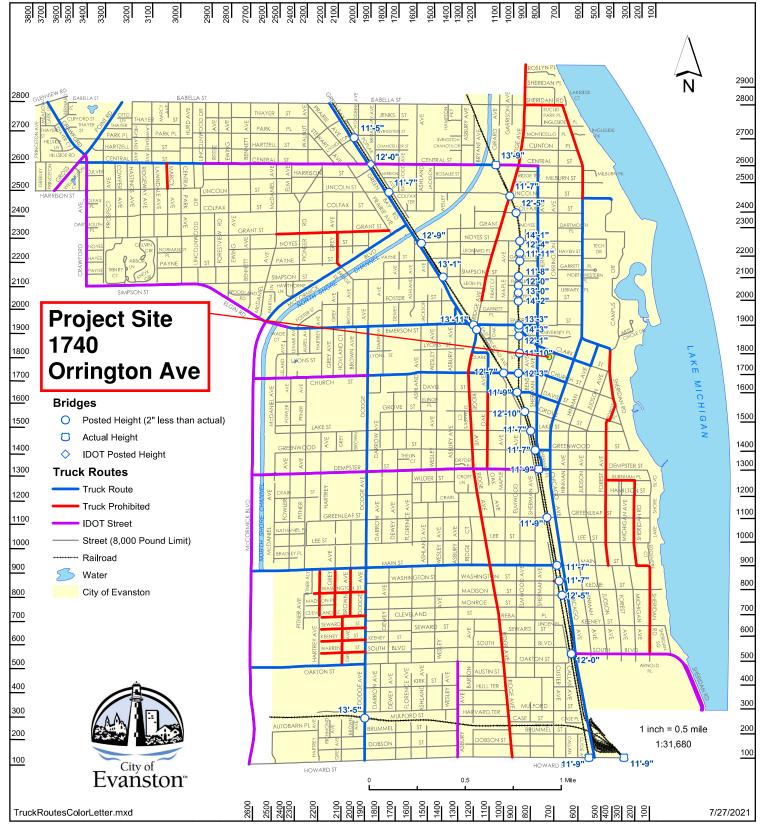
- 11:800/900 Foster at "El" (gravel lot), 44 spaces
- 16: 800/900 Noyes @"L", 22 spaces [M]
- 18: Cly de & Brummel, 50 spaces [P]
- 19: 1700/1800 Benson (west side), 69 spaces [M]
- 20: 1800 Maple Ave. Self Park, 1400 spaces [M,P]
- Chandler Center 1100 Central Street, 92 spaces [M,P]
- 22: Sheridan Rd. & South Blvd., 50 spaces [P]
- 23: NW Dempster & Elmwood,
- 38 spaces [P] **24**: 727 Main St., 32 spaces [M]
- 25: 1614 Maple Av e., 32 spaces [M,P]
- 27: 621 Oak Ave. across from Post Office, 36 spaces [M,P]

- 28: Church & Chicago Self Park, 600 spaces [M,P]
- **31**: 925 Sherman, 20 spaces [P] **32**: 825 Hinman Av enue, 77 spaces [P]
- 35: NW Main & Judson, 56 spaces [P] 39: 711 Hinman Ave., 48 spaces [P
- 42: 743 Hinman Av e., 24 spaces [P
- 45: 833 Forest Avenue, 25 spaces [P]
- 46: Sherman Plaza Self Park Davis & Benson, 1250 spaces [M,P]
- 48: 1315 Emerson St , 13 spaces [P]
- 51: 927 Noyes Noyes Center Lot, 55 spaces [M,P]
- 52: James Park Lots, 240 spaces

- 54: Central Street Metra Station, 217 spaces [M]
- 56: Civic Center 2100 Ridge Ave.,
- 232 spaces
- 60: 1234 Chicago Avenue 35 spaces [M,P]
- 64: Ry an Field West Lot, 100 spaces [P] 67: Alley between Emerson & Foster east
- of Purple Line, 34 spaces [P]
- 68: 700 block of Howard, 13 spaces [M]

[M=Metered, P=Permit Parking]

Exhibit G City of Evanston Truck Routes



This map is provided "as is" without warranties of any kind. See www.cityofevanston.org/mapdisclaimers.html for more information.

