Deep Foundations - Caisson Installation
Information Sheet
9/11/15

Project: 3218 North Clark
Caisson Installation Start Date: 9/9/15
Caisson Total Quantity: 56
Caissons complete through 9/11/15: 7
Anticipated Caissons Installed each day: 3-4

See the attached Caisson Plan showing the location of the caissons. The highlighted caissons represent our progress through the close of business today, 9/11/15.

A caisson is a deep foundation component of the building structure. The process of installing caissons involves vibrating equipment that vibrates a temporary casing into the ground approximately 20 feet below existing grade so that a reinforced concrete shaft (caisson) can be poured to the design depth. Once the concrete has hardened they remove the temp casing, also with the vibrating equipment.

Over the course of the next 4 weeks the caisson contractor will begin in the morning at around 8am by vibrating to remove the temp casings from the prior day's operation. Afterwards, using the vibration equipment, they will install the temp casings for the caissons that they plan to pour that day. Each casing, whether being installed or removed will take about 20 minutes give or take. We estimate the vibration window for each day will generally be between 8am and 11am, in 20 minute increments.

The City of Chicago has approved the Caisson Installation Procedures for this project and has issued a building permit to install these caissons provided the construction testing agency installs a vibration monitor. This monitor has been installed and is active. The approved threshold for allowable vibrations in accordance with the building permit is .5"/Second Peak Particle Velocity (PPV). The vibration monitor instantly notifies a team of people in the event that the threshold is breached. To date the threshold has not been breached.