

## EXHIBIT T

### VIBRATION AND MOVEMENT CONSTRUCTION MONITORING PLAN



#### Vibration and Movement Construction Monitoring Plan

August 2018

The following is the proposed plan to measure the construction work vibration and potential movement at adjacent structures to the One Winnetka project.

**Prior to the start of demolition:**

- A visual and photographic survey will be performed by Developer/Contractor at the following locations:
  - Hadley Institute building (Elm St.)
  - Hadley House (Oak St.)
  - 711 Oak condominiums (Oak at Lincoln)
  - West side of Lincoln Avenue, including east end of the railroad pedestrian bridge
  - Each building on the north side of Elm St. from Lincoln to Arbor Vitae
  - The transformer vault serving 711 Oak
- Each property owner and/or the Village will be notified when the survey will take place and will be asked to assist with or acknowledge the visual observations
- A report (the "Report") will be prepared by Developer or its agent documenting the existing conditions of each structure and shall be maintained onsite in the construction office at all times
- If existing cracks are observed, a crack monitor will be attached to the building structure and documented in the report
- Report shall be completed prior to the issuance of the demolition permit

**During demolition activities:**

- A monthly review by the Developer or its agent will be performed of each structure and documented in the Report
- Any observed changes will be noted and the building's property owner and Village Engineer will be notified
- Developer will have its Structural Engineer evaluate the condition if changes are observed and prepare a report

**Prior to the start of shoring:**

- Seismic monitoring devices will be installed on the following buildings:
  - Hadley Institute building (Elm St)

- 711 Oak condominiums (Oak at Lincoln)
- Each separate building on the north side of Elm between Lincoln and Arbor Vitae
- A settlement survey by the Contractor shall be conducted on permanent structures including:
  - Elm St. storm sewer manhole covers
  - Existing electrical transformer pad at 711 Oak
  - Existing storm sewer drains on Hadley property
  - Existing guest parking lot curb at 711 Oak
  - Existing concrete curb west of 711 Oak
  - Existing concrete curb on the west side of Lincoln
  - Existing electrical manhole covers on Lincoln Avenue.
- Contractor shall recommend the parameters of measured seismic deviations during shoring installation as part of the foundation permit process to the Village Engineer for review and approval. Developer or its agent shall establish an action procedure involving the Contractor and Developer's Structural Engineer if parameters are exceeded at any time during shoring activities.
- Prior to the installation of permanent paving, the Contractor shall resurvey each point listed above, note the elevations, and submit to the Village Engineer.

**During shoring activities:**

- Inclinometers shall be installed on the shoring and shall be checked weekly by the Contractor. They will be installed at the following locations:
  - Three along Elm St.
  - Two along Lincoln Avenue
  - Two along southern property line
- Observations shall be documented and attached to the Report
- The Shoring Engineer shall develop parameters of deviation for the shoring as part of its submission to the Structural Engineer during the shop drawing approval process. These parameters shall be documented in the Report.

**Completion of superstructure:**

- Developer or its agent will review the existing condition of each structure contained in the Report for which a visual observation report was performed with the authorized building occupant. If no changes have been observed, occupant will be requested to acknowledge this observation which acknowledgement shall be contained in the Report.
- A copy of the Report shall be furnished to Village Engineer as a condition of the final certificate of occupancy for One Winnetka.