



## **Welcome to Wheaton Revitalization News!**

**Wheaton Revitalization News** is an email distribution list that will provide frequent updates to the surrounding community on the Wheaton Revitalization project. The purpose of this distribution list is to provide you with project updates and construction activities. For additional information on the Wheaton Revitalization Project please visit <http://www.wheatonproject.com>

## **Look Ahead - Week of October 22 to October 28**

### **Executive Summary**

The project continues to track slightly ahead of schedule and on budget. Mass excavation for the building and garage foundations continues and is scheduled to finish in early-January 2018. This is the major activity of work at the site.

The Support of Excavation (SOE) system advances with the depth of excavation to provide stability to all surrounding areas. At present, the depth of the excavation is at 25-feet advancing towards 55-feet which is the bottom of the hole.

### **Vibrations Noted**

Installation of the first tier of tie-back anchors along Triangle Lane resulted in the report of noticeable vibrations at the ground floor level of several buildings along Triangle Lane. The tie back anchors are 20-feet below the buildings. Vibrations were reported to have lasted several minutes. The issue was immediately brought to the attention of DOT, geotechnical engineer, and the contractor after which seismic measuring meters were installed for enhanced monitoring. The seismic meters are programmed to send email and text alerts to the Engineer and Contractor should vibrations exceed normal thresholds. All affected buildings were inspected and no damage was reported.

No further vibrations have been noted. The engineer believes that a bolder may be encountered by the drill and transmitted vibrations through the soil structure for a very brief period of time. This will continue to be closely monitored.

### **Follow the Excavation via the Project Camera**

A camera has been installed to view construction on the site. [Click here](#) to access the camera.

### **Demolition of the Mid-County Regional Services Center Building**

The Mid-County Regional Services Center Building vacated on August 31 and will be demolished as part of the planned Plaza development south of Reedy Drive. Building demolition is scheduled in mid-December 2017. The

building has been decommissioned including disconnection and removal of public utilities (water, gas, electric, CATV). To safeguard the site, a temporary fence has been installed.

Service providers formally located in the Mid-County Regional Services Building have relocated as noted in the [Special Bulletin](#).

### **Installation of Tie-Back Anchors & Support of Excavation System (SOE) System**

The Support of Excavation will advance with the depth of excavation. Installation of tie-back anchors (see photo) continue as the excavation deepens. In all, three (3) horizontal tiers of tie-backs will be installed as excavation advances to the bottom of the hole. Installation of the first tier is nearly complete. As noted in previous reports, tie-back anchors are an integral part of the Support of Excavation system. The Support of Excavation will advance to the bottom of the hole.

### **Monitoring Support of Excavation**

To ensure the utmost level of safety related to the excavation activity, numerous monitoring (survey) points have been installed around the perimeter of the site and are checked daily. Additionally, seven (7) Inclinometers Stations have been installed to independently monitor for slope stability.

Inclinometers are electronic devices inserted 60-feet deep (10-feet below the bottom of the hole) that measure movement. Inclinometer readings are taken twice weekly, at minimum and compared to survey monitoring. No movement has been detected.

### **Mass Excavation**

Mass excavation for the building foundation continues. At present, the contractor has excavated approximately 25-foot deep (see photo), is excavating daily, and is continuing towards a 50-foot deep hole. Excavation is currently 50-percent complete. The bottom of the hole is expected to be reached in early-January 2018, weather permitting.

Approximately forty (40) dump trucks are assigned to the task of hauling away excavated soils making several trips daily. All trucks are entering and exiting the site using the two (2) construction entrances along Grandview Avenue. Thus far, excavation is advancing faster than scheduled due to the recent stretch of unseasonably dry weather.

### **Dust Control**

Dust and dirt control continues in uninterrupted fashion. The contractor sweeps daily using a power broom and continually sweeps Grandview Avenue and the surrounding area. Additionally, water is being applied within the site to abate dust on an as-needed basis. Nevertheless, in spite of continuous efforts, some dusting throughout the immediate area is unavoidable. The project team will continue daily with ambitious and unrelenting efforts to control dust.

All soils hauled offsite are tested in compliance with MDE requirements to ensure "clean soils" with no contamination leave the site.

### **Site Dewatering**

Mass excavation and construction of the building foundation requires the lowering of the groundwater table, which is generally 35 feet below the existing ground surface. The dewatering process will temporarily lower the groundwater roughly 25 feet to allow for construction. Dewatering is currently underway and will continue over the next 22-months at which time it will restore to normal levels.

### **Administrative Preparations**

The Contractor, Architect, Developer, and Montgomery County Department of Transportation (MCDOT) are busy exchanging and reviewing detailed submittals to ensure strict compliance with project specifications and all applicable building codes. In all, over 2,000 separate submittals will be developed, exchanged, and reviewed by the project team. No construction is permitted to proceed until all related material submittals, craftsman qualifications, testing, and Quality Assurance/Quality Control has been approved.

### **Upcoming Activities:**

- Excavation and disposal of excess soils.
- Support of Excavation including placement of lagging boards and tie-backs (see Photo).
- Testing of all soils before hauling offsite.
- Testing and monitoring of groundwater discharge.



**Tie Back Anchor Machine**



### Excavation Reaching 25-feet Deep at South End of Project

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