



## **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 December 17 to December 23**

#### **Executive Summary**

The project continues to track on schedule and within budget. Excavation for the building foundation is advancing to the bottom of the hole. The excavation has reached “footer elevation” at the south end of the site and is advancing to “footer elevation” near the north end of the site. All excavation is expected to be completed by late-January.

Installation of the Support of Excavation (SOE) system continues to advance behind foundation excavation from south to north.

Excavation for the south Tower Crane footer is complete and the concrete foundation will be placed during the upcoming week (see photo). The Tower Crane itself will be delivered and erected January 6, weather permitting.

Installation of 169 building foundation tie-down anchors has commenced.

#### **Follow Project Progress 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**

Demolition of the Regional Services Building is scheduled to take place between January 3rd and January 15th.

Service providers formerly 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)**

Installation of tie-back anchors (see photo) is complete at the south end of the site where the bottom of the hole has been reached and is advancing towards the north end of the site where 5 feet of excavation remains.

### **Monitoring Support of Excavation**

To ensure the utmost level of safety related to the excavation activity, numerous monitoring 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 (i.e. movement). Inclinometers are electronic devices lowered 60 feet deep (10 feet below the bottom of the hole) that measure movement in the embankment. Inclinometer readings are taken daily.

To date, only 1/8-inch of movement has been detected at the top of several piles along the south end of the project adjacent to Triangle Lane. This is well within the normal range of expected movement as the engineering calculations expect a little more than 1-inch of movement at the top elevation of the piles. No movement has been detected elsewhere on the piles. Daily monitoring will continue.

### **Building Foundation Excavation**

The contractor has reached the bottom of the hole on the south end of the site (adjacent to Reddie Drive) and is working northward to remove the remaining 5 feet of excavation (see photo). Excavation is now proceeding with the use of 4 excavators and one loader as they transfer material one-to-another advancing the material “up-the-ramp” and into trucks (see photo).

### **Tie-Down Anchors**

The contractor is commencing with the installation of 169 tie-down anchors situated around the perimeter of the building foundation. Tie-down anchors are steel rods that are embedded 20 feet into the underlying bedrock and grouted in place. The rods will penetrate through the concrete foundation and be secured at the topside of the footer. Tie-down anchors are installed to resist upward hydraulic pressure of groundwater once the dewatering operation ceases.

### **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 24/7 and will continue over the next 22 months at which time pumping will discontinue and groundwater will restore to its normal levels. As noted above, all tie-down anchors will be in place and secured tightly prior to deactivation of the dewatering system. All water discharged from the site is treated for proper pH levels per the Maryland Department of Environment (MDE) requirements.

### **Street Lighting Added – Lighting Levels Increased**

Additional street lighting has been added along Reddie Drive and Triangle Lane. The lighting levels have been increased as a measure of safety as daylight diminishes during winter months and in conjunction with the upcoming holiday season.

### **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.

### **Bus route changes is coming to Wheaton**

Effective Sunday, December 17th, reroutings will occur for Ride On routes 7, 8, 9, 31 and Metrobus routes C2, C4, Y2, Y7, Y8. Some bus stops will be relocated. For more information regarding the rerouting, [click here](#).

### **Upcoming and Ongoing Activities**

- Building foundation excavation and disposal of excess soils.
- Placement of concrete footer for the South Tower Crane.
- Installation of foundation tie-down anchors.
- Support of Excavation including placement of lagging boards and tie-back anchors.
- Hydraulic testing of tie-back anchors.
- Hydraulic testing of tie-down anchors.
- Monitoring Inclinometer stations for movement.
- Testing of all soils before hauling offsite.
- Testing and monitoring of groundwater discharge.



Footer for South Tower Crane



### Excavating to Bottom of the Hole at the North End of Site

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