



## **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 10 to December 16**

### **Executive Summary**

The project continues to track on-schedule and within budget. Mass excavation for the building and garage foundations continues and is scheduled to finish in early-January 2018. Excavation has reached the bottom of the hole at the south end of the site and within 10-feet of the bottom of the hole at the north end of the site. (See photos)

At present, the Support of Excavation (SOE) is completed at the south end of the hole and advancing northward behind the excavation. (See photos)

### **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 Reedie Drive. 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. Demolition will occur in late-December to early-January.

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)**

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 10-feet of excavation remains.

## **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 (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.

## **Mass 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 10-feet of excavation. (See photo) Excavation is now proceeding with the use of 4-excavators and one-loader "feeding" excavated material (dirt) to each other advancing the material "up-the-ramp". (See photo)

In order to excavate the entire hole, the contractor must continually "move the access ramp around" to complete the excavation in rectangular fashion. The access ramp was recently moved from the north end of the site to mid-block along Grandview Avenue as shown in the photo. This allowed access to the north end of the site previously occupied by the ramp.

## **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.

## **Dust Control**

Dust has been less of an issue as the hole deepens. Nevertheless, the contractor sweeps daily using a power broom and continually sweeps Grandview Avenue and the surrounding area. A vacuum street sweeper assists with dust and dirt control. Further, a periodic wash down of Grandview Avenue will occur as well. The project team will continue daily housekeeping to control dust and dirt. 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 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 the duration of 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.

### **Upcoming and Ongoing Activities**

- Mass excavation and disposal of excess soils.
- Support of Excavation including placement of lagging boards and tie-back anchors.
- Hydraulic Testing of tie-back anchors.
- Monitoring Inclinometer stations for movement.
- Testing of all soils before hauling offsite.
- Testing and monitoring of groundwater discharge.



**Workers Carrying Tie-Back Anchor to Installation Point**



**Excavators Working Together to Remove Excavated Material Uphill**

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