



## **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 February 4 to February 10**

### **Executive Summary**

The project continues to track on-schedule and within budget.

### **Arrival of North Tower Crane**

The north tower crane was delivered and erected over the weekend of January 27th.

### **Temporary Closure of Reddie Drive**

A temporary closure of Reddie Drive will be necessary on Saturday, February 10, from 5am to noon.

This closure is necessary to stage a mobile crane in Reddie Drive to “air lift” several large pieces of construction equipment out of the 55-foot deep hole. Several large pieces of construction equipment are required to continue working long after the removal of the last ramp exiting the hole. The only means out of the hole at this point is to be “air lifted” out by a mobile crane. The on-site tower cranes do not have the lifting capacity for such heavy lifts. Therefore, a mobile crane will arrive early Saturday morning, set-up on Reddie Drive, and remove several large pieces of construction equipment.

### **Building Foundation Excavation Completed**

Excavation for the building foundation is complete (see photo). The last of the excavation was hauled offsite this past week.

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

Demolition of the Regional Services Building is scheduled to commence on Monday, February 12. The demolition will be accomplished without any road closures.

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

### **Tie-Down Anchors**

Installation of tie-down anchors is 80 percent complete. In total, one hundred sixty-nine (169) foundation tie-down anchors will be installed around the perimeter of the building foundation. Tie-down anchors are long steel rods that are embedded 20 feet into the underlying bedrock and grouted in place (see photo). The rods penetrate through the building foundation and are secured at the topside of the footer with large washers and lock-down nuts. Tie-down anchors are installed to resist expected upward hydraulic pressure of groundwater once the dewatering operation ceases.

### **Recovery and Connection of the Geothermal System**

The one hundred fifty (150) Geothermal wells, installed earlier in the project, will now be recovered at subgrade, pressure tested, flushed, and joined together vis-à-vis horizontal piping.

Following installation of the wells from the original ground level, the wells were cutoff and capped at 2 feet below the elevation of bottom of foundation, which has now been reached. The wells will now be recovered, pressure tested, flushed with water, and piped together in groups (or grids) to form the final geothermal configuration. The Geothermal system will provide the building with 30 percent of its energy needs.

### **Construction of the Sub-Foundation WSSC Vault**

There is a WSSC vault located beneath the foundation of the building that will receive all water from the wash-down operation(s) performed within the parking garage. The wash-down water contains impurities (such as oil) and is not suitable to discharge into the storm drain system. This vault collects the wash-down water, separates the water and oil, then discharges the water into the WSSC sanitary sewer that heads to a wastewater treatment plant. The photograph below shows the foundation of the vault under construction.

### **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.

### **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.

### **Follow Project Progress via the Project Camera**

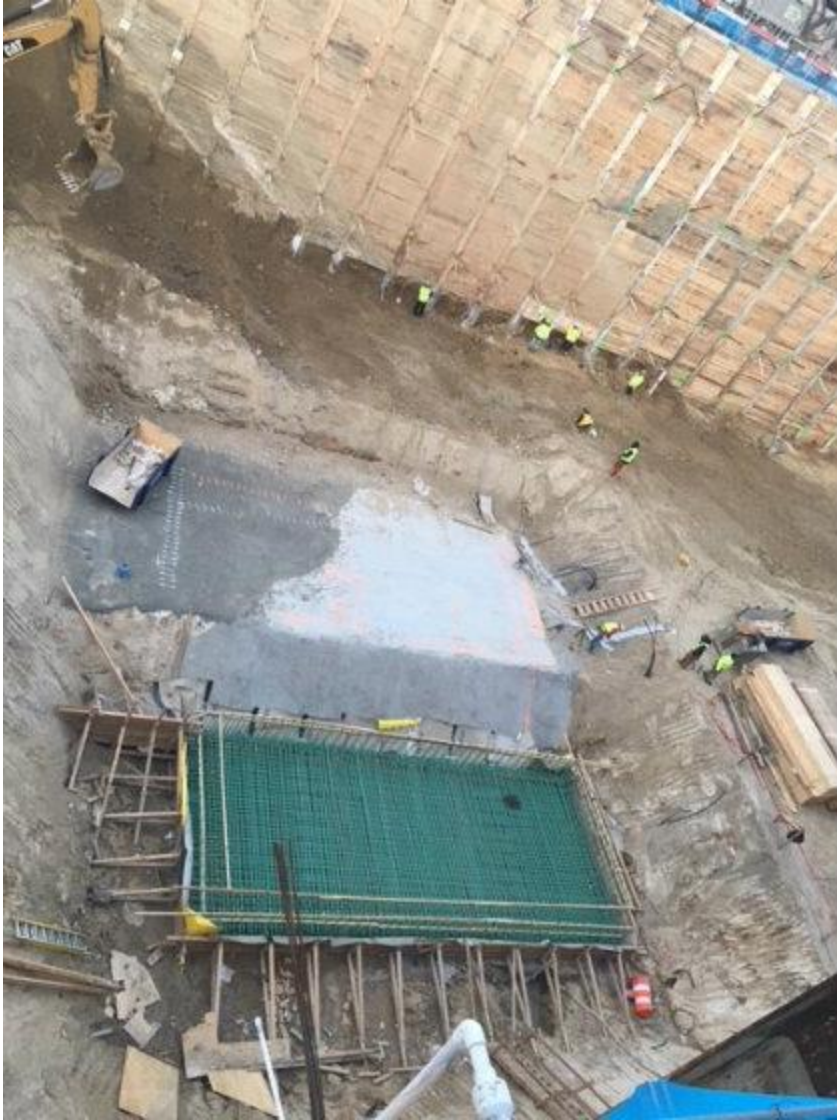
A camera has been installed to view construction on the site. [Click here](#) to access the camera.

### **Upcoming and Ongoing Activities**

- Temporary closure of Reddie Drive on the morning of February 10th (5am to noon) for removal of several large pieces of construction equipment from the bottom of the hole.
- Horizontal piping for Geothermal System.
- Installation of foundation tie-down anchors.
- Form and pour sub-foundation WSSC vault (see photo).
- Completion of Excavation (see photo).
- Hydraulic testing of tie-down anchors.
- Monitoring Inclinator stations for movement.
- Monitoring 3-D survey.
- Testing of all soils before hauling offsite.
- Testing and monitoring of groundwater discharge water.



**Last of the Foundation Excavation**



### Foundation for Sub-Foundation WSSC Vault

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