



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 August 13 to August 19

Geothermal Drilling

The Contractor will continue with the Geothermal Drilling operation during the upcoming week of August 13. Likewise, the insertion of the Geothermal tubes (U-Bends) and the grouting operation will continue along with the borehole drilling.

Allied Drilling, the Geothermal Drilling Contractor, continues with three (3) large drill rigs successfully completing the first ninety-five (95) geothermal boreholes. Thus far, progress has been substantial and 63 percent of the drilling is now complete. Allied Drilling has a forth crew on-site grouting the wells that were previously drilled and capped. The grouting operation will follow the drilling operation over the next 7 weeks. Installation of the Geothermal system will wrap-up in mid-September.

Drilling the borehole and installing the PVC casing is the first step in the overall Geothermal process. After the borehole is drilled, the contractor inserts the geothermal tubing known as "U-Bend" 650 feet deep into the hole and then pumps grout from the bottom of the hole to the top of the hole encapsulating the geothermal tube (U-Bend) with a special thermal conductivity grout. The grouting operation started on July 27 and will continue over the next 6 weeks.

The Geothermal Engineer is on-site daily conducting close inspections of the overall process. In all, 150 Geothermal Wells will be installed. The contractor is currently working at the pace of boring three 3 to 4 boreholes per day and grouting three (3) wells per day in the separate grouting operation.

Thus far, while a little noisy, the overall geothermal operation (drilling and grouting) has had no effect on vehicular traffic or pedestrian activity.

Installation of Deep Wells

The contractor mobilized a fourth drill rig and drilled 16 deep wells for dewatering the site. The deep well drilling was completed on Thursday, August 10. Over the next several weeks, a drainage system constructed of aboveground PVC (plastic) piping will connect the wells for (ultimate) collection and discharge of the groundwater. All groundwater will

be tested prior to discharge in accordance with the Maryland Department of Environment (MDE) permit issued for the project. The deep wells will serve to dewater the site of groundwater in advance of the mass excavation operation scheduled to commence in early-September.

Installation of Support of Excavation System (SOE) System

Over the next several weeks, the contractor will begin preparations for the Support of Excavation (SOE) System. The contractor will mobilize two (2) additional drill rigs (for a total of five drill rigs) and commence placement of steel piles around the perimeter of the site required for the Support of Excavation System.

The borehole and the steel piles themselves are 75 feet in length (i.e. deep) and are placed as the first step in the construction of the Excavation Support System. The pile placement for the Excavation Support System will run concurrently with the remainder of the Geothermal system. In all 126 steel piles will be installed as part of the Excavation Support System.

Installation of Inclinometer Stations

An Inclinometer is an electronic instrument used for monitoring subsurface movements and for verifying stability of slopes and embankments. Inclinometer stations are casings similar to a pipe casing placed 30 feet deep for monitoring purposes. Once the casing is installed, the Inclinometers will be inserted and readings taken on a continuous basis during the excavation process.

Seven (7) Inclinometer measuring stations (in all) will be installed around the perimeter of the site to monitor the stability of all slopes during excavation activity taking place between September, 2017 and January, 2018. In addition to the Inclinometers, high precision survey measurements will be obtained continuously during excavation as a secondary measure to monitor slope stability.

Inclinometer stations are pipe casings, 6 inches in diameter and are installed 30 feet deep into the nearby ground with the use of a small drill rig. The top of the pipe casing itself will be flush with the surrounding surface. Two (2) Inclinometer stations will be installed along Grandview Avenue, three (3) Inclinometer stations will be installed along Triangle Lane, one (1) station will be installed along Reddie Drive, and one (1) station installed north of the proposed building site inside the work area.

Disruptions during the drilling operation for installation of the pipe casings will be kept to a minimum. Drilling for the three stations along Triangle Lane will be undertaken prior to 9 AM on the day of the drilling to not affect traffic or business operations. Following its installation, the Inclinometer Station will appear as a small utility cover (such as a water meter lid) and not present any disruption or inconvenience to either traffic or pedestrians.

Ongoing and Planned Activities:

- Geothermal well drilling and grouting continues throughout the upcoming week.
- Installation of deep wells and dewatering system continues.
- Installation of piping for the dewatering system will commence.
- Testing and monitoring of groundwater will commence.
- Installation of Inclinometer Stations will commence.
- Haul-off of soil spoils resulting from the current drilling operations will begin.



Site Photo (August 10, 2017)

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