



## **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 6 to August 12**

### **Geothermal Drilling**

The Contractor will continue with the Geothermal Drilling operation during the upcoming week of August 12. Little else will change on the project.

Allied Drilling, the Geothermal Drilling Contractor, continues with three (3) large drill rigs successfully completing the first seventy (70) geothermal boreholes. Thus far, progress has been substantial and 47 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 now follow the drilling operation over the next 8 weeks.

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 8 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 3 to 4 boreholes per day and grouting three (3) wells per day in the separate grouting operation. The overall Geothermal operation is scheduled to wrap-up in mid-to late-August.

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

### **Deep Wells**

The contractor is mobilizing a fourth drill rig to drill 16 deep wells for dewatering the site. This operation is unrelated to the geothermal well operation. The deep wells will serve to dewater the site of groundwater in advance of the mass excavation operation scheduled to commence in early-September.

Geotechnical engineering that was conducted during the design phase of the project identified and mapped the existing groundwater table. For the excavation to take place, the groundwater must be pumped out daily to keep its level below the bottom of excavation. Following the excavation and concrete placement, the pumping will discontinue and groundwater will once again reach its normal level.

### **Ongoing and Planned Activities:**

#### **Sediment and Erosion Controls**

- Sediment and Erosion Controls are monitored and maintained on a daily basis.

#### **Traffic Controls**

- Traffic Controls are monitored and maintained on a daily basis.

#### **Pedestrian Controls**

- Pedestrian Control and pedestrian safety are monitored and maintained on a continuous basis.

#### **Geothermal Drilling**

Geothermal well drilling and grouting continues throughout the upcoming week.

- The Geothermal System provides roughly 30 percent of the building's energy needs.
- The Geothermal System extracts energy from the earth to heat and cool the new building.
- The Geothermal system will ultimately include 150 individual wells drilled 600 feet deep for extracting energy from the earth and transfer to the building.
- Drilling will continue over the next 8 weeks.



### Typical Drilling Operation

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