

Construction News Report

**Student Academic
Services Building**



June 2008

**Lane Avenue
Parking Garage**

SASB Project Status:

- Preconstruction Meeting was held on June 12, 2008.
- Submittal process continues and material procurement is underway.
- Started MEP coordination.
- Structural steel procurement & fabrication continues.

Outside the Fence:

- A temporary door was installed at the east side of JORCN. This door provides access for large deliveries to the facility while allowing construction to continue at the west side of the building.
- A special thanks to the OSU staff who were monumental in their assistance to the team in obtaining the easement for the sanitary sewer. The sanitary sewer relocation is under construction.

LAPG Project Status:

- Submittal process continues and material procurement is underway.
- Bid Package 102 – Site Work
 - Mass excavation continues.
 - Slurry wall has been completed.
 - Tunnel excavation is underway.
 - H pile installation has been completed.
 - Lagging, tie backs and toe ties are underway.
 - Installed sanitary line across Neil.
- Bid Package 103 – Landscaping
 - planted grass at JORCN.
- Bid Package 104 – Concrete
 - Mobilized to the site and prepared for tunnel construction.

H Piles? Lagging? Tie Backs? Toe Ties?

The installation of a utility tunnel across the site resulted in a shoring system that was designed specifically for this project. H Piles, lagging and tie backs are all part of the process to create a safe working environment for the tunnel construction crew.

H piles were first installed. These are large steel beams in the shape of an “H”. These beams were drilled into the bedrock and then grouted in place with high strength concrete.

Lagging is a wooden structure that was attached to the H piles. These wood beams hold back dirt and prevent collapse of the exposed wall.

Tie Backs and Toe Ties are steel cables that were installed to the H piles and lagging to provide additional strength to the system. The toe ties are designed to keep the bottom of the H pile and lagging from being pushed out at the bottom due to the force of the earth on the back side of the wall.



This information is brought to you by:



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