

Capital Design and Construction (CDCD)

- ◆ The Surge Space Building is anticipated to go out for bid in August 2006. This 45,000 GSF building will provide much needed swing space for departments while their existing buildings are renovated. Construction is expected to be completed in the spring of 2007.
- ◆ The caisson foundation package for the Building Construction Laboratory will be bid in July 2006. The remainder of the building design is being completed. This work is expected to be bid in September 2006, with construction completed in late fall 2007. The Building Construction Laboratory will house classrooms, offices, workshops and student lab spaces.
- ◆ The Boiler Pollution Control Equipment installation work has started. The project is anticipated to be substantially completed by January 2007.
- ◆ The Summer 2006 Classroom Improvements project is well underway. This work includes the installation of a variety of computer-based teaching/learning stations and associated renovations in eight classrooms to create computer-integrated laboratories, computer presentation classrooms, and distance learning class facilities.

Physical Plant Operations (PPO)

- ◆ Customers are reminded that live load limits for upper floors of buildings need to be considered when moving or concentrating heavy fixtures (such as filing cabinets). Many older buildings on campus simply do not have adequate structural capacity to carry increased loads. Customers can call Physical Plant Operations for information concerning the structural capacity of various locations on campus.
- ◆ Roof replacement on Pritchard Hall and Engel Hall has been completed, and the Slusher Hall roof replacement is nearing completion.

Utilities

Virginia Tech Electric Service (VTES)

- ◆ Installation of the electric service to the Peggy Lee Hahn Pavilion and the Mussel Lab has recently been completed.
- ◆ The transformer switch at Cowgill Hall has been relocated to allow grading for the Building Construction Lab.
- ◆ Work continues on the lighting for the west side of Lane Stadium and the new entrance and walkway on the east side of Lane Stadium.
- ◆ New service has been provided to the Central Steam Plant new baghouse, Biology and Surge buildings, and the Smithfield parking lot.

Mechanical Utilities

- ◆ The following projects have been recently completed by Mechanical Utilities:
 - Storm drain installed at the West Side Expansion of Lane Stadium
 - Water and sewer service to the Peggy Lee Hahn Pavilion
 - Water and sewer service to the new office building at the Dairy Center
 - New water service to the Surge Building site
 - Improvements to steam and water mains at Washington Street
 - Improvements to the Stroubles Creek crossing at Plantation Road



Plantation Road Creek Crossing Improvements



Steam & Water Mains at Washington St. Improvements

Central Steam Plant

- ◆ The foundation for the new pollution control bag house at Boiler No. 7 has been completed, and the erection of the steel has started.
- ◆ The new four-inch line for the waste lime system is progressing. This will allow the Central Steam Plant to separate the waste lime from the ash conveying system.
- ◆ The overhaul on Boiler No. 11 is continuing.
- ◆ The annual boiler inspections are underway.

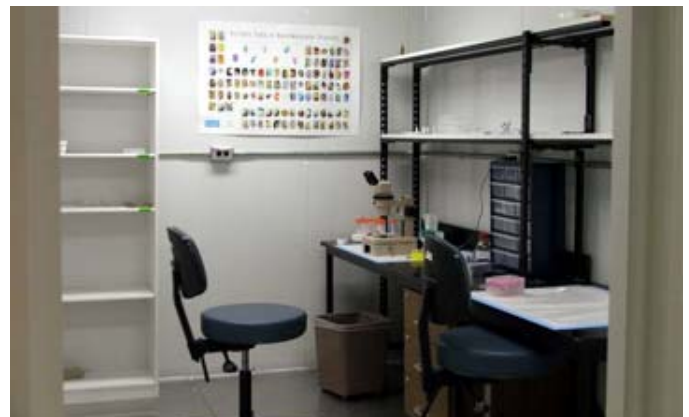
Campus Renovation Services (CRS)

- ◆ Renovations is in the process of installing walk-in and reach-in growth chambers for the College of Agriculture & Life Sciences and the College of Natural Resources. The largest growth chambers will be located on the main floor. The room will house eight growth chambers that will be 10 feet wide, 20 feet long and 20 feet tall. Some will house trees with up to three years of growth. Support utilities for the chambers include cooling towers and condenser piping for cooling water, pure water and compressed air connections and a new emergency generator. The following photo shows one section of condenser water piping that will carry cooling water from cooling towers (located on the ground) to the environmental growth chambers.



Condenser Water Piping

- ◆ Also being performed for the researchers within the College of Agriculture & Life Sciences and the College of Natural Resources are several follow-on projects. These include the installation of small, individual environmental chambers in labs, the installation of three sterilizers, and several lab modifications. These renovations will perform plant molecular and physiological studies for crop improvements, plant genetics, insect control and soil fertility.
- ◆ Renovations were completed this May for the Department of Biological Science. Installed were two cold rooms along with run pipes, control cable and a compressor. These cold rooms are unique in that they are being designed for people to work in instead of product storage. Since people will be working inside of these rooms for extended periods, low profile evaporator units were used instead of the usual commercial units. These units have low air flow and quiet fan operation which will make it more comfortable to work in. The new laboratory provides crystallographic services to the university, conducts interdisciplinary research, and teaches crystallography to students and faculty.



New Laboratory