



## ***City of Boiling Spring Lakes***

**9 East Boiling Spring Road  
Southport, NC 28461  
(910) 363-0025**

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Gordon Hargrove, City Manager • 910-363-0025 • [ghargrove@cityofbsl.org](mailto:ghargrove@cityofbsl.org)

### **Dams project update # 4**

The Samford Dam reconstruction project continues to progress. As a follow-up to the previous update, the demolition of the existing spillway is almost completed. Additionally, the dewatering crew has completed the installation of the well-points which, in combination with the coffer dams mentioned in update # 3, are intended to keep the excavation site dry. The diversion ditch, (for control of water) is now functional and water is being diverted around the spillway excavation site. Residents may see water from Allen Creek backing up, but the diversion ditch is working as intended.

Over the next 30 days, the mix-in-place drills will be installing test panels on the upstream and downstream toes of the dam as well as the cut-off wall. These test panels will verify the strength of the process and verify that the method of installation is operating as designed. Once testing confirms that the test panels meet engineering requirements, the production panels will be installed on the upstream and downstream toe of the dam. The panels at the toe of the dam will be perpendicular to the cut-off wall that runs through the center wall of the dam. The purpose of the panels at the toe of the dam are to guard against and protect the dam in case of a seismic event.

Once testing verifies the test panels for the cut-off wall meet engineering requirements, the MIP drill will then install the cutoff panels for the dam. These production panels will run down the center line of Alton Lennon Rd at a depth of approximately 20 to 35 feet deep with overlapping panels. These panels will be anchored in the bedrock below the dam. The purpose of these panels is to prevent seepage of water underneath the dam.

Please continue to be mindful of the detours. Please slow down and watch for pedestrian traffic. Please stay out of the construction zones. City staff have been instructed to install cameras to monitor activity at the construction site and trespassers will be dealt with by law enforcement.

Gordon Hargrove  
City Manager