

## **RWSA Board Selects Concept E for New Rivanna Pump Station**

At the December 28 Board meeting, the RWSA Board of Directors selected Concept E for the new Rivanna Pump Station. Concept E entails moving the existing pump station to the Moores Creek Wastewater Treatment Plant site, and expanding its peak pumping capacity to a rate equivalent to 53 million gallons per day. The increased capacity will improve the performance during wet weather events of the Rivanna Interceptor, a major wastewater transmission “artery” that receives flow from the City and ACSA on a path parallel to the Rivanna River between the Carrsbrook and Woolen Mills subdivisions. The increased capacity is also a part of RWSA’s environmental stewardship goals.

Because Concept E is relocating as well as expanding the capacity of the existing pump station, an extension of the Rivanna Interceptor will be required from the existing pump station location to the WWTP site. The existing pump station is located adjacent to the City’s Riverview Park and adjacent to the Woolen Mills neighborhood. Because the terrain traversed by this pipeline extension is variable and not conducive to conventional excavation, a tunnel will be built to support the pipe.

In addition to being near a neighborhood, the existing station is constrained by the Rivanna River and its flood plain. The Woolen Mills neighborhood strongly endorsed Concept E, and Concept E was also supported by the Charlottesville City Council. Hazen and Sawyer, consulting engineers, performed an evaluation of various alternatives and has estimated the total project cost of Concept E at between \$38 to \$40 million.

“We are pleased the Board has now selected a single concept, which allows us to move forward with final design,” stated Mr. Tom Frederick, Executive Director of the Authority. “This project is a core part of our commitment to environmental stewardship and the renewal of our infrastructure. We will be in final design a significant portion of calendar year 2012 but hope to be in construction by 2013.”

The next important milestone for this project is the negotiation of a cost sharing agreement between the Albemarle County Service Authority and the City of Charlottesville to provide the project funding to RWSA. The RWSA Board has asked that such agreement be completed and in place by June 30, 2012.