

**ALBEMARLE COUNTY SERVICE AUTHORITY
 ASHCROFT TANK AND PUMP RECONFIGURATION PROJECT
 JULY 27, 2011 PUBLIC INFORMATION MEETING
 PRESENTATION DISPLAY GRAPHIC SUMMARY**

The following summarizes the following presentation displays as presented at the public information meeting held on July 27, 2011 for the project. The information presented and summarized below is under design and subject to modifications as required through the final design, review and permit process.

Figure Title	Description of Figure Information	Comments, Additional Information
Albemarle County Service Authority – Ashcroft Tank and Pump Reconfiguration Project	Aerial photograph showing existing property boundaries, existing Ashcroft water system, and future water main extensions into future Ashcroft development areas	Provided for purposes of public information meeting. The figure was not included in Preliminary Engineering Report (PER) or supplemental memoranda for the project.
Figure 1 – Existing System Available Fire Flow	The figure depicts existing available fire flows in the Ashcroft water system based on the current operating sequence of the facilities and functional water storage within the existing system.	Fire flow values shown by colored shading represent the approximate fire flow to the closest existing fire hydrant to each lot. The figure is presented in the original PER and is based on a preliminary, target fire flow of 750 gallons per minute (gpm).
Ashcroft Water System Schematic	The figure depicts the approximate relationship of the existing pump stations, storage tanks, pressure reducing valves (PRVs), and pressure zones in the existing system.	The elevations shown on the figure are approximate and based on available record information (subject to field survey verification). The pressure zones and existing facilities shown are described in the PER.
Figure 2 – System Improvements	The figure shows the majority of the required system improvements needed to reach fire flows 1,000 gpm for the entire system.	The final target fire flow for the water system is a minimum of 1,000 gpm based on correspondence from the County Fire Marshall’s Office as summarized in the PER. The figure is presented in a supplemental memorandum to the PER and is dated January 7, 2009. The future development areas may require additional improvements not shown (i.e., PRVs, etc.), depending on their respective phasing and layout.
Figure 3 – Available Fire Flow	The figure shows the available fire flows throughout the system, based on the improvements shown on Figure 2. The minimum fire flow of 1,000 gpm was used as the basis for the figure.	The most restrictive area for fire flow within the existing system is along North Pantops Drive. Available fire flows in the future development areas were not confirmed.
Figure 20 – Parcels that Require Individual Service PRV	The figure shows the approximate residential lot locations that will require a PRV on the water service as a result of the system improvements. The PRVs are needed in the event of a fire or high demand in the Low Zone.	The residential lots shown requiring a PRV are approximate and based on the system pressure in the Low Zone exceeding 80 psi at the existing water service meters after the fire or high demand occurrence and prior to the re-establishment of normal operating pressures in the Low Zone. This figure has been revised from the figure presented in the PER for the project.

