Albemarle County Service Authority
Capital Improvement Projects by District

Definition of Terms:
SCADA* - Acronym for Supervisory Control Automation and Data Acquisition
SESS** - Sanitary Sewer Evaluation Study

DISCLAIMER
Utilities, structures, lot lines, and all appurtenances indicated on this map are intended for general layout and reference location only. This printout is not intended for any other use than for preliminary planning and general reference. The information shown on this map are believed to be accurate, however, recent utility improvements and/or system changes may have been updated in our mapping since the time of this printout. Contact ACSA directly for specific utility locations.

Parcel and Boundary Information Property of County of Albemarle

[Map showing various projects and locations]
The projects proposed in this Capital Improvement Program reflect the intent of the Albemarle County Service Authority at the date of adoption. Any number of factors could change the viability of any proposed project and projects not listed in the program may be undertaken.
Conduct complete site survey to assess storm water runoff impact to Rivanna River.

Upgrade Vehicle Fueling Area

Provide Permanent Vehicle Wash Area. Location TBD

$170,000

Facility Improvements
(Fueling Station and Vehicle Wash Area)
Capital Improvement Project
Lower Floor Renovations:
- Expand server room.
- Expand FM-200 and conditioning coverage to new server room.
- Subdivide break room to create new flat file storage.

$100,000
Upper Floor Renovations:
- Add two new engineering offices in map room.
- Renovate break room into two new finance offices.
- Remove existing halon system from personnel closet.
- Install new FM-200 system in personnel closet.
Add 8" D.I.P. water line to connect Western Ridge and Foxchase subdivisions (highlighted in magenta). Approximate length = 2,450 ft.
Install 35 ft. of 6" DIP water main (highlighted in magenta) for future Jackson Street Water Replacement
Upgrade 17 water services within Town Project Limits

$40,000
Replace undersized galvanized, PVC and Transite water lines (highlighted in magenta). Approximate Length = 21,500 ft.

$341,000
Replace existing Transite and Cast Iron water mains with 8" D.I.P. water mains along St. George Avenue, Buck Road and Crozet Avenue. Replace existing 2" Galvanized Pipe on St. George Street with 6" D.I.P. Approx. Length 9,620 ft.

St. George Avenue - Buck Road Water Main Replacement
Capital Improvement Project

$600,000
Replace approximately 1,500 linear feet of 6” PVC water main with 8” ductile iron.

Replace existing Pump Station 2 tanks with 10,000 gallon tank

Lower PRV Station
Replace 4” PRV with 6” PRV
Install two 2” PRVs in parallel with 6” PRV

Pump Station 3
Replace 4” PRV with 6” PRV
Install a 2” PRV in parallel with 6” PRV

$320,000
Replace existing Cast Iron and Transite water main with 8" D.I.P. water main (highlighted in magenta)
Approximate length: 3,375 ft.
Replace existing Cast Iron water main with 8” D.I.P. water main
(highlighted in magenta)
Approximate length: 3,030 ft.
Construct Glenmore Water Tank, Pump Station and 16-inch diameter water main. Approximate length = 2,250 ft.

Proposed 600,000 gal. Water Tank and Pump Station

Glenmore Water Tank Capital Improvement Project

$75,000
Ivy Road - Flordon Water Connection
Capital Improvement Project

Potential PRV Location (if Component A-1 selected)
Potential PRV Location (if Component A-2 selected)

2 Options to install 12" DIP water main connection between Ivy Road and Flordon
- Component A-1 highlighted in magenta (3,200 feet)
- Component A-2 highlighted in yellow (1,100 feet)

Recommendation from the West Leigh Redundancy Evaluation

$136,800
Upgrade existing pumps and install a third pump to improve fire flows. Recommendation from the West Leigh Redundancy Evaluation

$37,900
Extend 8-inch diameter water main (highlighted in magenta) to connect to existing water mains creating a secondary feed along Hardware Street. Approximate length: 4,000 ft.

Install four new fire hydrants.
Install 8” dia. PVC sewer main (highlighted in magenta)
Approximate length: 225 ft.

Replace existing 8” dia. clay sewer main (highlighted in magenta)
Approximate length: 477 ft.

Remove existing brick manhole.

$115,000

Scottsville Phase 2 Sewer
Capital Improvement Project
$530,000

Add fire hydrant and valve at this location

Add fire hydrant and valve at this location

Add fire hydrant and valve at this location

Replace 4" transite water main (highlighted in magenta) with 8" D.I.P. Approximate length: 4,400 ft.
Recommendations from the Biscuit Run Drainage Basin Sewer Study.
Rehabilitate 107 Manholes (highlighted in magenta)
Reline/Point Repair (highlighted in orange)
Conduct Sewer System Evaluation Survey (SSES) of the Woodbrook Drainage Basin. Evaluate 68,420 LF of sanitary sewer mains and 393 Manholes.

$144,200
North Fork Regional Pump Station
Capital Improvement Project

Proposed 12" Force Main
(highlighted in orange)
Approximate length 1,300 ft.

North Fork Research Park
Sanitary Pump Station
(to be abandoned)

Proposed 16" Force Main
(highlighted in red)
Approximate length: 8,400 ft.

Proposed 18" Gravity Extension Sewer
(highlighted in magenta)
Approximate length: 1,000 ft.

North Fork Regional Pump Station Site

12" Force Main River Crossing

Connection Location
(To Existing 18" Gravity Sewer)

Proposed 18" Gravity Sewer
(highlighted in magenta)
Approximate length: 1,500 ft.

Camelot Pump Station Location

Abandon Camelot WWTP

$380,000
Hollymead Water Main Replacement
Capital Improvement Project

Add fire hydrant and valve
Add fire hydrant and valve
Add fire hydrant and valve
Add type A blow-off

$196,000

Replace 2" P.V.C. water main (highlighted in magenta) with 6" D.I.P.
Approximate length: 1,405 ft.
Replace 2" P.V.C. water main (highlighted in yellow) with 4" D.I.P.
Approximate length: 3,890 ft.