Replace existing water pumps to meet future potable water demand and improve water age and fire flow availability. Add standby generators to each station.
Replace existing cast iron water mains (highlighted in magenta) with 8-inch diameter D.I.P. water mains.
Approximate length: 2,895 ft.
Replace existing PVC and asbestos cement water mains (highlighted in magenta) with D.I.P. water mains ranging in size from 4" to 8". 
Approximate length: 7,620 ft.
Replace existing Asbestos Cement and PVC water main with 8", 6", and 4" D.I.P. water main (highlighted in magenta)
Approximate length: 11,500 ft.
Replace existing Asbestos Cement water main with 8", 6", and 4" D.I.P. water main (highlighted in magenta)
Approximate length: 9,030 ft.
Replace existing cast iron and PVC water mains (highlighted in magenta) with 4-inch through 12-inch diameter D.I.P. water mains. New water interconnections shown in Yellow. Approximate length: 13,660 ft.
Conducted Sewer Evaluation Survey on 64,200 LF of gravity sewer and 356 Manholes
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 location purposes. The utilities 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.

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Hollymead Drainage Basin SSES - Map 2
Capital Improvement Project
Replace existing asbestos-cement (highlighted in magenta) with 4-inch through 8-inch diameter D.I.P. water mains.

Approximate length: 6,185 ft.
Provide 8-inch interconnect between Lewis Hill and West Leigh Subdivisions to abandon existing PVC water main found to be compromised by migrating stream. Section of water main highlighted in yellow to be abandoned.

Approximate length: 1,200 ft.
Replace existing asbestos cement and galvanized steel water mains with D.I.P. water mains, ranging in size from 4" to 8" (highlighted in magenta).
Approximate length: 13,705 LF.
Abandon the Oak Forest Pump Station and force main.

Install 8" PVC and DIP sewer line (highlighted in magenta). Approximate length: 900 ft

Install 7 sewer manholes (highlighted in magenta).

Connect to Stonefield Sanitary Sewer
DISCLAIMER
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ACSA Operations Center Expansion
Phase 1
Capital Improvement Project
Conduct Sewer System Evaluation Survey (SSES) of the Pantops Drainage Basin. Evaluate 82,720 linear feet of sanitary sewer mains and 512 manholes.
Extend a water main along Parkview Drive (highlighted in magenta) with 8-inch diameter D.I.P. from Emerson Commons to Thurston Drive.

Approximate length: 3,400 ft.
Upgrade existing pumps and piping. Upgrade existing generator.
Recoat inside and outside of Scottsville Water Storage Tank.
Provide 8-inch gravity sewer main to facilitate the abandonment of the ACSA’s Redfields Pump Station (highlighted in magenta).

Approximate length: 125 ft.
Replace undersized cast iron and asbestos cement water mains (highlighted in magenta) with new 8-inch 6-inch and 4-inch D.I.P. and fire hydrants.

Approximate length: 2,325'
Replace undersized asbestos cement and cast iron water mains (highlighted in magenta) with 8-inch and 10-inch D.I.P. and fire hydrants.

Approximate length: 6,230'
Replace undersized asbestos cement water mains (highlighted in magenta) with 8-inch and 6-inch D.I.P. and fire hydrants.

Approximate length: 3,055'
Install commuters in the wet well for the Glenmore, and Crozet Sewer Pump Stations. Install in-line vault and commuter for Georgetown Green Pump Station.

**Sewer Pump Stations Commuters**

**Capital Improvement Project**
Replace undersized galvanized and cast iron water mains (highlighted in magenta) with 4-inch 6-inch and 8-inch D.I.P. and fire hydrants.

Approximate length: 2,050'