

Chapin Utility Department

Capital Project List

1. Old Lexington Hwy. Force Main

Construct a 10" sewer force main from the entrance to Palmetto Shores Subdivision along Old Lexington Hwy To the new sewer pump station in the Chapin Place Subdivision. This line will parallel an existing 6" force main and will allow bypass pumping of wastewater currently flowing to pump station #10 on Old Lexington Hwy.

Estimated Cost: \$460,000

2. Primrose Lane Sewer Force Main

Construct a 12" sewer force main from the intersection of Crooked Creek Road along Primrose Lane to the intersection of Old Bush River Road and Old Lexington Hwy. This sewer force main will allow existing wastewater flow to be reversed from the sewer pump station in the Old Bush River Plantation (PS #32) thereby freeing capacity in the existing 12" force mains along Murray Lindler Road. This redirection of flow will free up capacity in the remaining force main collection system.

Estimated Cost: \$520,000

3. WWTP Surge Control Basin

Once the new WWTP is on line, the existing lagoon will be drained and the remaining sludge removed in accordance with SC DHEC regulations. Upon completion of sludge removal, a dike will be constructed to reduce the size of the structure. The new basin will be developed as an equalization basin for influent flows. Connector piping and a pump station will be incorporated into the design to connect the equalization basin to the new WWTP. The remaining area of the old basin will be graded to allow rain water to exit the site. Construction of this system will delay the need to construction of a parallel discharge line from the WWTP to the Broad River for a few years.

Estimated Cost: \$1,300,000

4. WWTP Parallel Discharge Line

Construct an 18" sewer force main parallel to the existing 12" discharge from the WWTP to the established discharge point at the Broad River. This line will supplement the existing line and will be required as the flow level at the WWTP approaches 2.4 million gallons per day.

Estimated Cost: \$3,000,000

5. Timberlake Sewer Pump Station #6 Standby Pump

Install an emergency standby diesel pump at Timberlake sewer pump station #T6.

Estimated Cost: \$110,000