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Gravity Sewer Rehabilitation - Hogtown Creek Sewer Interceptor Phase VII (B)

The Hogtown Creek Sewer Interceptor is an existing vitrified clay and cast iron sewer main located within a wooded easement along Hogtown Creek. This phase of the gravity sewer interceptor rehabilitation project includes sections of the sewer main from the 1300 Block of NW 8th Avenue to the 1800 Block of NW 8th Avenue. The sewer main has exceeded its expected life and is subject to internal corrosion, breaks, and groundwater infiltration. Due to the depth and location of the sewer main, there is not adequate area within the easement to allow replacement of the sewer main using conventional open trench methods.

Lining the sewer mains with a cured-in-place resin (CIPP) impregnated liner provides a viable and cost effective alternative for the rehabilitation of the sewer main. The CIPP lining of the sewer main will provide renewed structural integrity, eliminate internal corrosion and eliminate infiltration of ground water into the sewer system which can exceed the existing gravity system capacity and could result in ground settlement, and ultimate failure of the system. Infiltration also significantly reduces the wastewater collection and treatment system's capacity as well as increasing pumping and treatment costs. This project is part of an on-going program to reduce infiltration and inflow within the wastewater collection system. In addition to lining the sewer main, the proposal also includes televising of the sewer line, heavy cleaning, and the installation and operation of a temporary wastewater bypass pump and above ground force main as may be required.

Invitations to Bid were sent to Azurix North America (formerly Madsen-Barr/Phillips Utility Management Corporation) and Insituform Technologies, the two firms currently approved by GRU to supply and install CIPP. Bids were received from two firms and Insituform Technologies, Inc. was the low bidder. A bid tabulation is attached for your reference.

The recommended amount of \$87,600.00 includes a 10% contingency for additional materials and labor, which may be required to complete the work.

The City Commission authorize the issuance of a purchase order to Insituform Technologies, Inc. for the rehabilitation of 2,058 linear feet of 10-inch gravity sewer main in the Hogtown Creek Sewer Interceptor in an amount not to exceed \$87,600.00.

Funds for this project are available in the Gravity System Renewal and Replacement category of the Wastewater Capital Improvements Budget for FY02.

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