



TRANSPORTATION, INFRASTRUCTURE & OPERATIONS COMMITTEE

AUGUST 19, 2020



ORDINANCE NO. 200620

Water Main Replacement in the Area of Burning Tree Drive to W. 139th Street, Saint Andrews Road to Wornall Road

Authorizing a \$1,554,381.03 construction contract with Blue Nile Contractors, Inc., for the replacement of water mains in the area of Burning Tree Drive to W. 139th Street, and Saint Andrews Drive to Wornall Road; and authorizing a maximum expenditure of \$1,710,000.00.

ORDINANCE NO. 200620

Water Main Replacement in the Area
of Burning Tree Drive to W. 139th
Street, Saint Andrews Drive to
Wornall Road



ORDINANCE NO. 200620

Water Main Replacement in the Area of Burning Tree Drive to W. 139th Street,
Saint Andrews Drive to Wornall Road



Public Outreach

Notification
Letters

Virtual public
meeting prior to
construction

ORDINANCE NO. 200621

Green Infrastructure Demonstration – Phase II

Authorizing a \$120,000.00 Design Professional Services Contract Amendment No. 1 with Patti Banks Associates LLC dba Vireo, for the Green Infrastructure Demonstration – Phase II (SLBE-WSDEPS) project; and authorizing a total contract amount of \$470,000.00.

ORDINANCE NO. 200621

Green Infrastructure Demonstration – Phase II

Green Infrastructure integration to Smart Sewer Projects

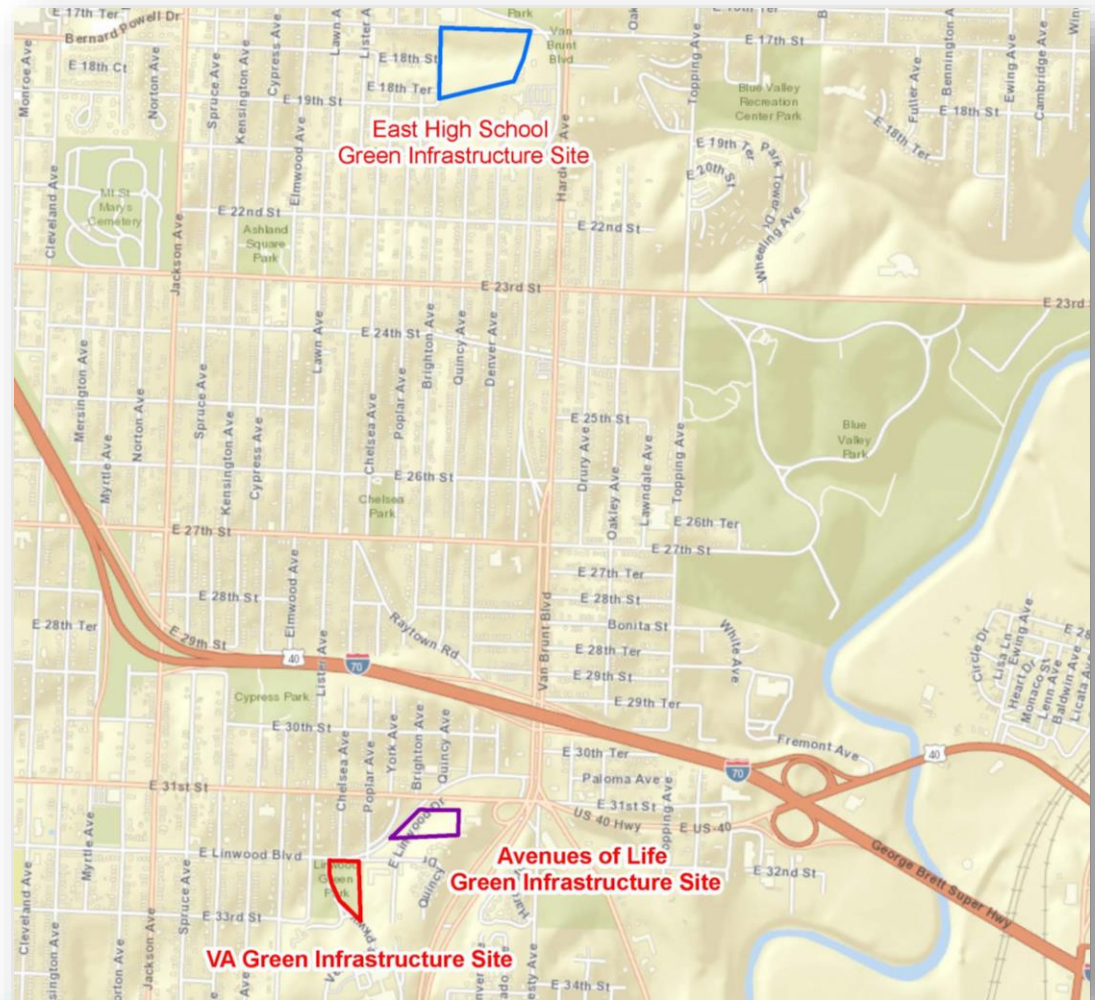
GSI IN SMART SEWER PROJECTS

SSP Program Element	GSI Implementation Potential
Diversion Structure & Sewer Pipe Consolidation	High
Green Infrastructure	High
I/I Reduction	Low
Neighborhood Sewer Rehabilitation	Medium
Pumping & Conveyance	Medium
Sewer Separation	High
Storage & Conveyance	Low
Treatment	Low

ORDINANCE

NO. 200621

Green Infrastructure Demonstration – Phase II



ORDINANCE NO. 200622

Wastewater SCADA Improvements

Authorizing a \$5,204,323.10 Construction contract with Mark One Electric Company, Inc., for the Wastewater SCADA Improvements project; authorizing a \$999,189.00 Amendment No. 1 to a Design Professional Services contract with Black & Veatch Corporation, for the Wastewater SCADA; authorizing an extension of the term of Amendment No. 1 with Black & Veatch Corporation an additional eight years; authorizing a not to exceed \$150,000.00 sole source purchase agreement with NRTC for a 220 MHz band radio frequencies; and authorizing a maximum expenditure of \$6,873,512.10.



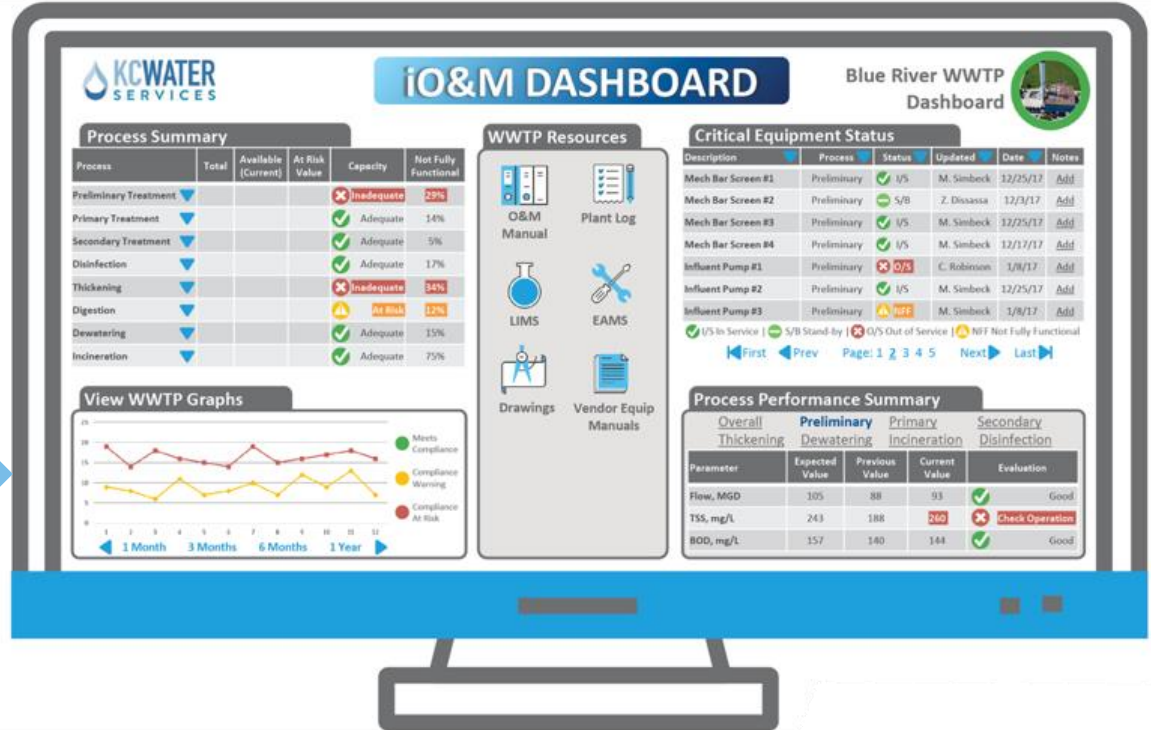
Secure and Robust SCADA (Supervisory Control and Data Acquisition) Platform

Major Goals

- User-friendly visual interface
- Focused on O&M needs
- Easily expandable
- Programming standards
- Security

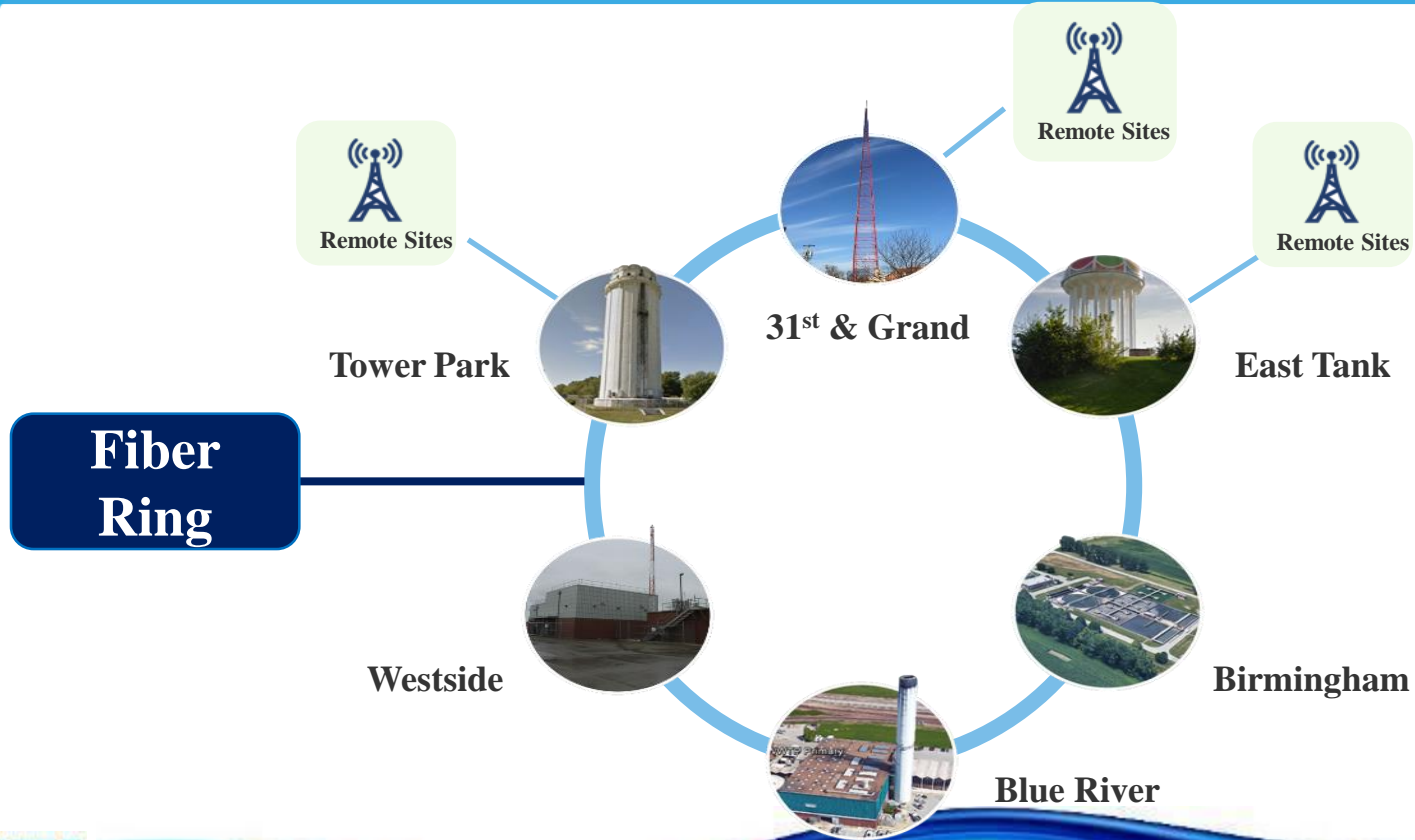
Integrate Real Time Data

- Status alarms
- Equipment failure
- Run status
- Instrument readouts





Implement Central Platform & Communications Backbone





THANK YOU

