



# TRANSPORTATION, INFRASTRUCTURE & OPERATIONS COMMITTEE

AUGUST 19, 2020



# ORDINANCE NO. 200620

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



# ORDINANCE NO. 200620

Water Main Replacement in the Area of Burning Tree Drive to W. 139<sup>th</sup> 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

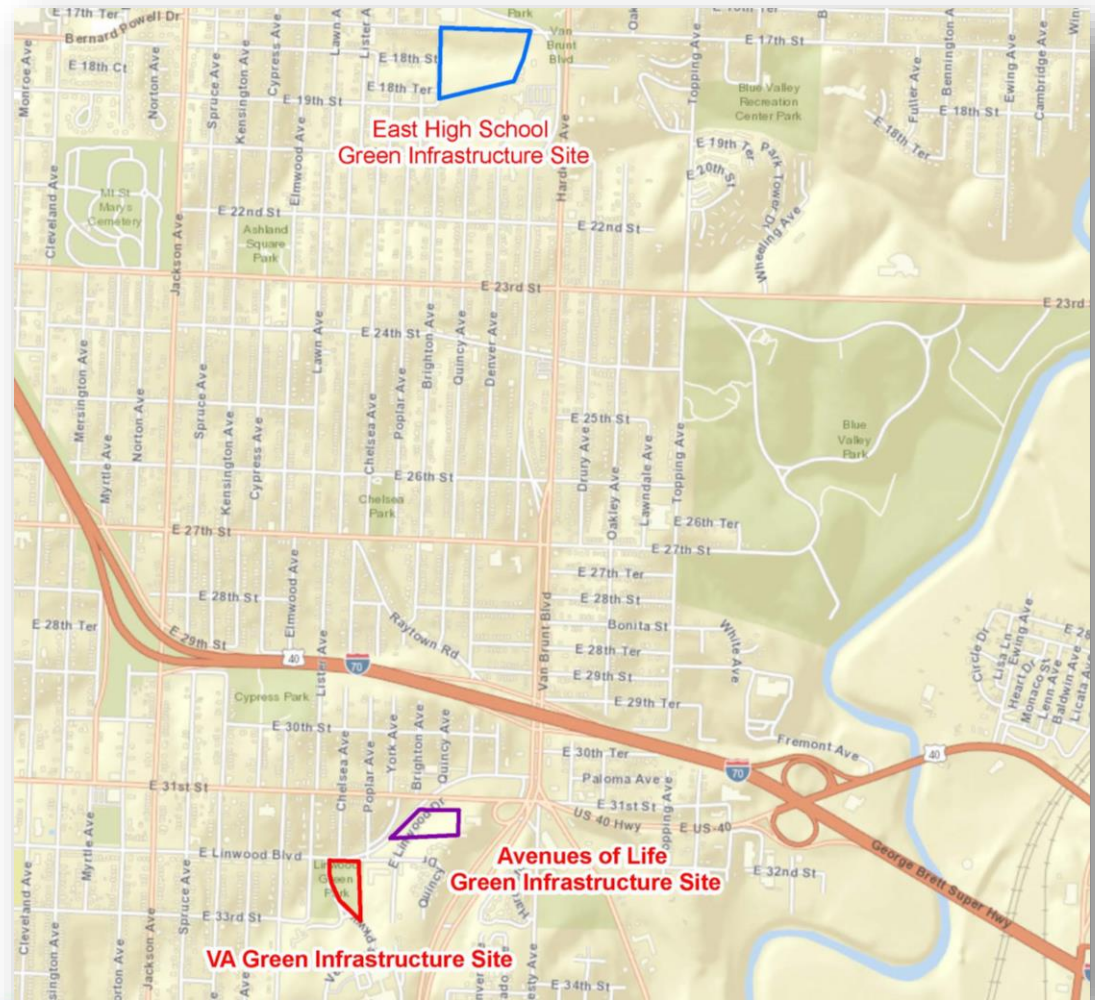
SSP Program Element	GSI Implementation Potential
Diversion Structure & Sewer Pipe Consolidation	High
Green Infrastructure	High
I/I Reduction	Low
Neighborhood Sewer Rehabilitation	Medium
Pumping & Conveyance	Medium
Sewer Separation	High
Storage & Conveyance	Low
Treatment	Low



# 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.





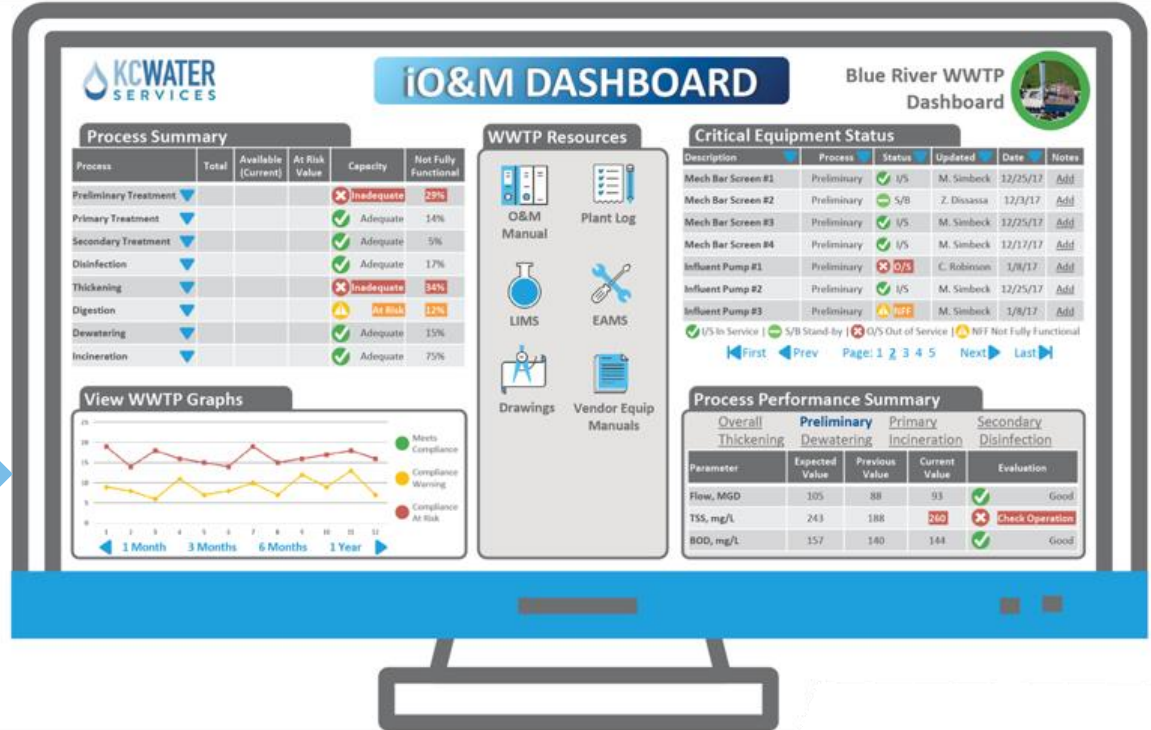
# Secure and Robust SCADA (Supervisory Control and Data Acquisition) Platform

## Major Goals

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

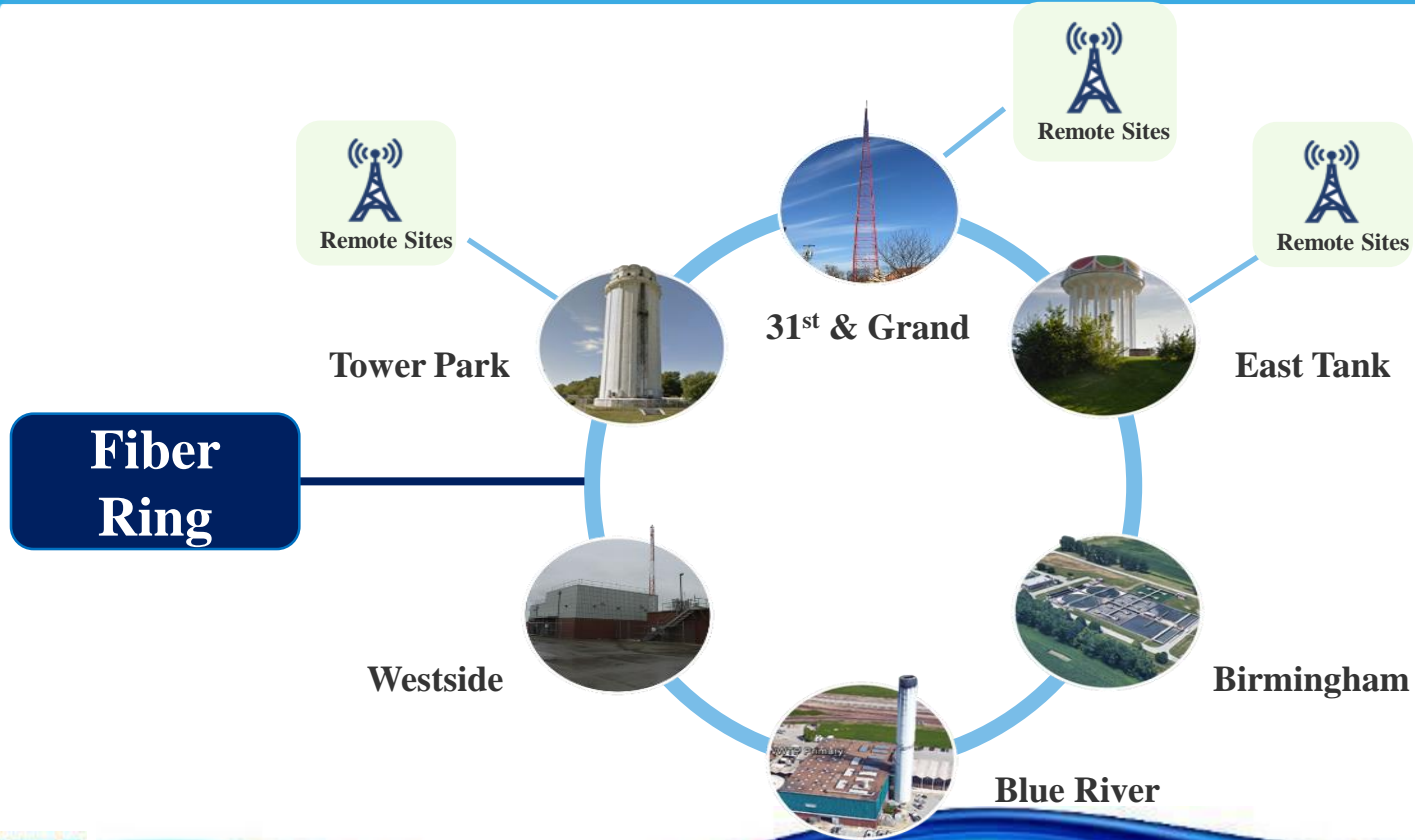
## Integrate Real Time Data

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





# Implement Central Platform & Communications Backbone





THANK YOU

