



# ORDINANCE NO. 250087 (Committee Substitute)

## Water and Wastewater Operations and Maintenance Assistance, Renewal No. 1

Authorizing a \$1,020,000.00 design professional services contract with Black & Veatch Corporation, for Renewal No. 1 for the Water and Wastewater Operations and Maintenance Assistance project; and authorizing four successive one-year renewals with further City Council approval.

February 4, 2025

Transportation, Infrastructure & Operations  
Committee



**Pied Creek Pumping**

**Facilities:**

Pump Station Name: Pied Creek Pumping  
 Pump Station Number: 623A  
 Station Type: Sewage  
 360 Plaza Tour  
 Address: 9815 Eastline Dr  
 9815 Eastline Dr

Effluent: Plant effluent off of W Eastside Dr

Jurisdiction: KC Water  
 Latitude: 38.24874  
 Longitude: -94.68376  
 Travel Time from Blue River Primary: 25 min  
 WFO Contact: (816) 513-7300 / 7330 (AfterHours)  
 Cell No.:  
 Original Construction Date: 1988  
 Recent Major Rehab Date: 2008 [Click for Logbook](#)

Unit 1:  
 Location: Bar Rack  
 Manufacturer: Inflow Channel prior to wetwell,  
 Model: information needed  
 Capacity: information needed  
 Size: information needed

Unit 2:  
 Location: N/A  
 Manufacturer: N/A  
 Model: N/A  
 Capacity: N/A  
 Size: N/A

Unit 3:  
 Location: N/A  
 Manufacturer: N/A  
 Model: N/A  
 Capacity: N/A  
 Size: N/A

Unit 4:  
 Location: N/A  
 Manufacturer: N/A  
 Model: N/A  
 Capacity: N/A  
 Size: N/A

Constructed in Place  
 Lifting Device 1:  
 Location: N/A  
 Manufacturer: N/A  
 Model: N/A  
 Capacity: N/A  
 Make/Model: N/A

Constructed in Place  
 Lifting Device 2:  
 Location: N/A  
 Manufacturer: N/A  
 Model: N/A  
 Capacity: N/A  
 Make/Model: N/A

**Electrical & Controls**

Instrumentation and Controls  
 Device Location: Motor control building

PLC Make/Model: Allen Bradley Control Logic

Control Type: LCC PLC

PLC I/O (DI): Yes

UPS for PLC: SCADA/Access Power/Dial up/AC - cell.

Alarm Make/Model: N/A

Communication Type: N/A

UPS for PLC: 4.020 information needed

Remote Capability: Yes

Monitoring: Submersible Pressure

Level Instrument: N/A

Flow Metering: N/A

Make/Model/Range: N/A

**Safety:**  
 Confined Space & Gas: Wetwell and valve hallides  
 Mon. Req'd: N/A  
 Man Access to Confined: N/A  
 Splice: abandoned clarifiers and digesters  
 Ladder Access: N/A  
 Personnel Lifting: N/A  
 Devices: N/A

**Additional Information:**  
 Construction Type: Constructed (Former WWTP)  
 Sump Pump Make/Model: N/A  
 Screening Removal: Dumpster near bar rack  
 VAC Emerg. Pumping: N/A  
 Flow: N/A  
 Discharge At: N/A

**Water Meter No.:** information needed  
**Portable Water:** information needed  
**Water Treatment:** information needed  
**Sewal Water:** N/A  
**Phosphate or Sulfur:** N/A  
**Gas Meter No.:** information needed  
**Gas Feed Pressure:** information needed  
**Emerg. Phone No.:** information needed

**General Information:**  
 Wastewater treatment plant is abandoned. Pump station remains in service.

**Fact Sheet**

24" Platte County Sewer No. 1

Overflow Location: information needed  
 Overflow ID: information needed  
 Overflow Coords: information needed  
 Effluent Formant(s): 30" Forcemain

Downstream Overflow: Wetwell clarifier overflow  
 Overflow Distance: information needed  
 Constructed Pump Around: Vault north of station

**Flow Conditions:**  
 Minimum Flow: information needed  
 Average Daily Flow: information needed  
 Peak Capacity: 8 MGD information needed  
 Max Flow: information needed

**Basins:**

Basin 1	Basin 2	Basin 3	Basin 4
Mfr: Soler	Mfr: Soler	Mfr: Soler	Mfr: Flawcove (Square)
Model: XFF150-CB2	Model: XFF150-CB2	Model: XFF150-CB2	Model: 8402SLA
Serial No: 2004000	Serial No: information needed	Serial No: 68437	Serial No: information needed
Type: Submersible	Type: Submersible	Type: Submersible	Type: Submersible
Location: Wetwell	Location: Wetwell	Location: Wetwell	Location: Wetwell
Flow: 2,500 gpm	Flow: 2,500 gpm	Flow: 2,500 gpm	Flow: 2,500 gpm
TDS: 165-R	TDS: 165-R	TDS: 165-R	TDS: 165-R
HP: 140	HP: 140	HP: 140	HP: 150
Turndown: N/A	Turndown: N/A	Turndown: N/A	Turndown: N/A
Rotation: 3750-rpm	Rotation: 3750-rpm	Rotation: 3750-rpm	Rotation: 3750-rpm

**Motor:**  
 Motor Make/Model: VFD information needed  
 Motor Inert: information needed  
 Motor HP: information needed  
 Speed Control (F WFO): Auto  
 Level Control: N/A  
 Pump Control Method: Auto Manual  
 Pump Control Method: Level Setpoints

**Pump Control Information:**  
 Sliding float assembly. Rise bypasses wetwell and is conveyed to holding channel where it is then pumped up to the holding tanks. After event, manual valve level of pumps is opened to allow flow to drain back into wetwell. Wetwell pump controls maintained.

These Fact Sheets are a work in progress and developed for use within KC Water Services' Wastewater Treatment Division. The information contained herein has been collected from numerous historical and current sources. Responsibility shall have been made to ensure data accuracy. Information can be subject to further data verification. If there is a question, further information, or a documented change by a responsible party, please provide the information to the Wastewater Treatment Utility Manager of Operations, Cindy Henderson at cindy.henderson@kcwa.gov or to the Utility Manager of Information, Adam Hartzel at adam.hartzel@kcwa.org in order to ensure the information is accurate.

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Flow Metering: N/A

Make/Model/Range: N/A

**Emergency Power:**  
 Type: Emergency Generator w/ ATS  
 Tag/Switch Location: South of Electrical Building  
 Switch: 50A AMP  
 Generator Make: NRG  
 Generator Model: 91333P  
 Generator Type: Natural Gas  
 Check to ensure power source has switched and equipment is running.

**Utilities:**  
 HVAC: N/A  
 Unit Heaters: N/A

Water Meter No.: information needed  
 Portable Water: information needed  
 Water Treatment: information needed  
 Sewal Water: N/A  
 Phosphate or Sulfur: N/A  
 Gas Meter No.: information needed  
 Gas Feed Pressure: information needed  
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TDPASS Development    M/C/Water    Wastewater Treatment    Blue River    Birmingham    Website    Todd Creek    Rocky Branch    Fishing River    B/LAS    Flood & Pump Stations

## TDPASS Development

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### KC Water Wastewater Treatment Division

Wetwell Documents

✓ EDIT LINKS

#### Compliance/Process

0 Birmingham Treatment Plant

0 Blue River Treatment Plant

0 Fishing River Treatment Plant

0 Rocky Branch Treatment Plant

0 Todd Creek Treatment Plant

0 Westside Treatment Plant

0 Birmingham Land Application Facility

# Pump Station Fact Sheet and Treatment Division Process and System Status (TDPass) Development

THANK YOU

A decorative graphic at the bottom of the slide consisting of several overlapping, wavy bands of blue in various shades, ranging from light to dark, creating a sense of movement and water.