



SEWER ASSESSMENT PROJECT  
AREA OF 55<sup>TH</sup> STREET &  
BENNINGTON AVENUE

November 24, 2020



# MEETING LOGISTICS AND PROTOCOLS

- This meeting is being recorded. The recording will be posted on the KC Water website ([www.kcwater.us](http://www.kcwater.us), *Current Projects tab*) after its conclusion.
- We will take questions after the presentation. Please use the “Show conversation” or “Raise hand” feature at the top of your screen.
- If you are participating by phone and wish to ask a question, please ask after the presentation.
- If you still have questions after the meeting, please contact the Project Manager. Contact information will be provided at the end of the presentation.

# KC WATER TEAM

Terry Leeds

Matt Bond

Srini Vallabhaneni

Karine Papikian

John Hitson

Director

Deputy Director

Smart Sewer Officer

Collection Systems Section Head

Project Manager



# OUR WATER SOURCE



# THREE UTILITIES



Water



Wastewater



Stormwater

# ASSETS



**1 Water Treatment Plant**  
**18 Pump Stations**  
**2,800 Miles of Water Main**  
**35,000 Valves**  
**23,000 Fire Hydrants**



**6 Wastewater Treatment Plants**  
**39 Pump Stations**  
**2,800 Miles of Sewer Main**  
**67,000 Manholes**



**630 Miles of Storm Sewer**  
**53,000 Storm Inlets**  
**15 Stormwater Pump Stations**  
**13.5 Miles of Levee**

# AGENDA

Collection Systems Engineering presenters:  
Karine Papikian, PE, Section Head

1. Sanitary Sewer Assessment Program Overview

2. Sewer Assessment Process

3. 55<sup>th</sup> and Bennington Project Information

- Project history
- Project Area
- Apportionment
- Interest Reply Cards
- Potential Schedule

4. Questions/Answers

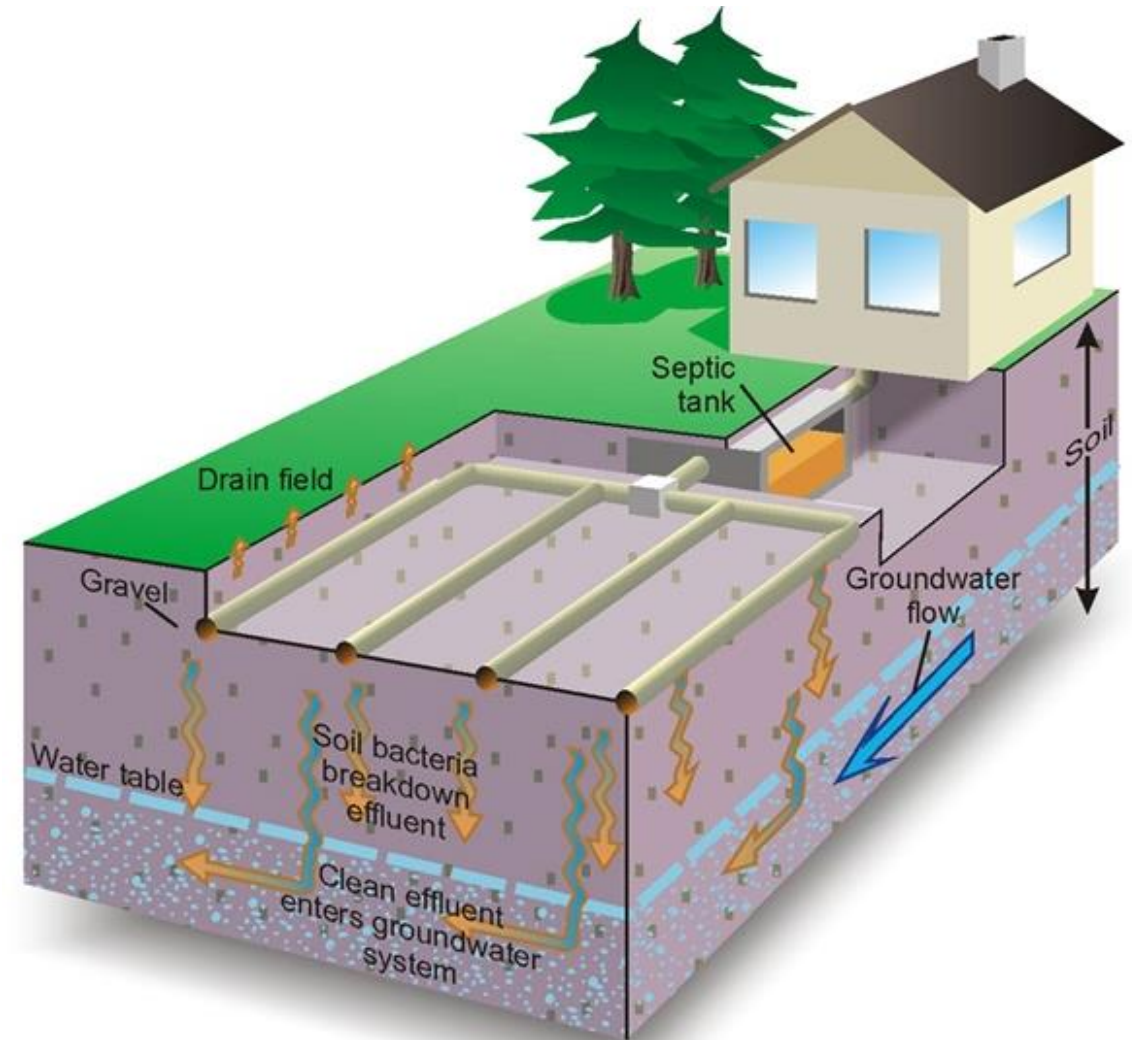


John Hitson, FE, Project Manager



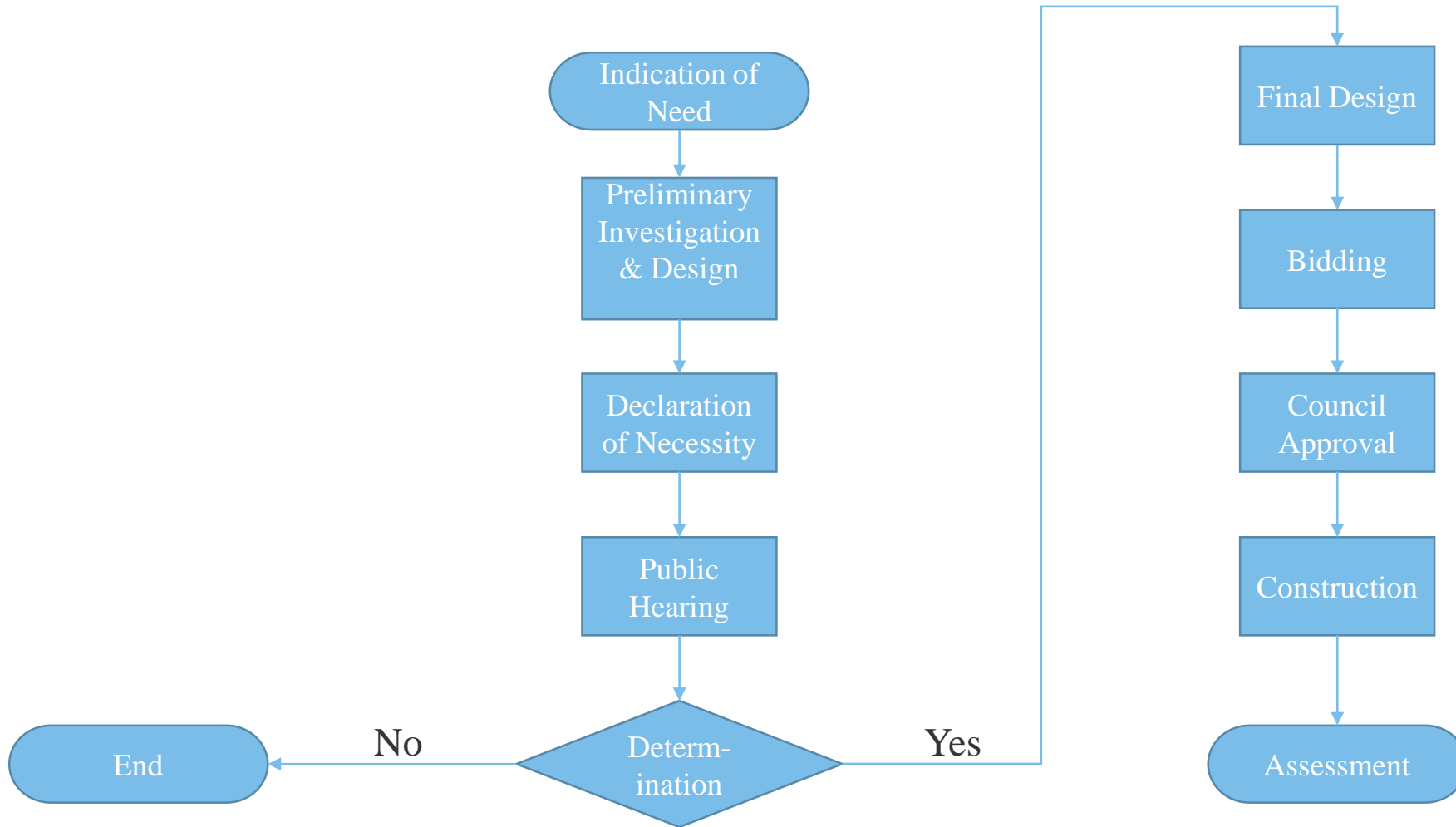
# SANITARY SEWER ASSESSMENT PROGRAM(SAP)

- KC Water responsible for SAP since 2004
- Septic tanks:
  - 6,800 KC households in 2009
  - 6,280 KC households in 2020
- 32 sewer assessment projects completed 1989 - 2009
- 12 sewer assessment projects completed 2009 - 2020
- 6 of 12 sewer assessment projects construction pending





# SEWER ASSESSMENT PROCESS



# 55th & BENNINGTON PROJECT HISTORY

Preliminary  
Investigation &  
Design

The preliminary investigation for this project began in 2002. Sewer Districts 719, 11040, 11041, 11042 were established by Ordinance #031186 in October 2003

Declaration  
of Necessity

The Declaration of Necessity and Public meeting occurred on January 20, 2004.

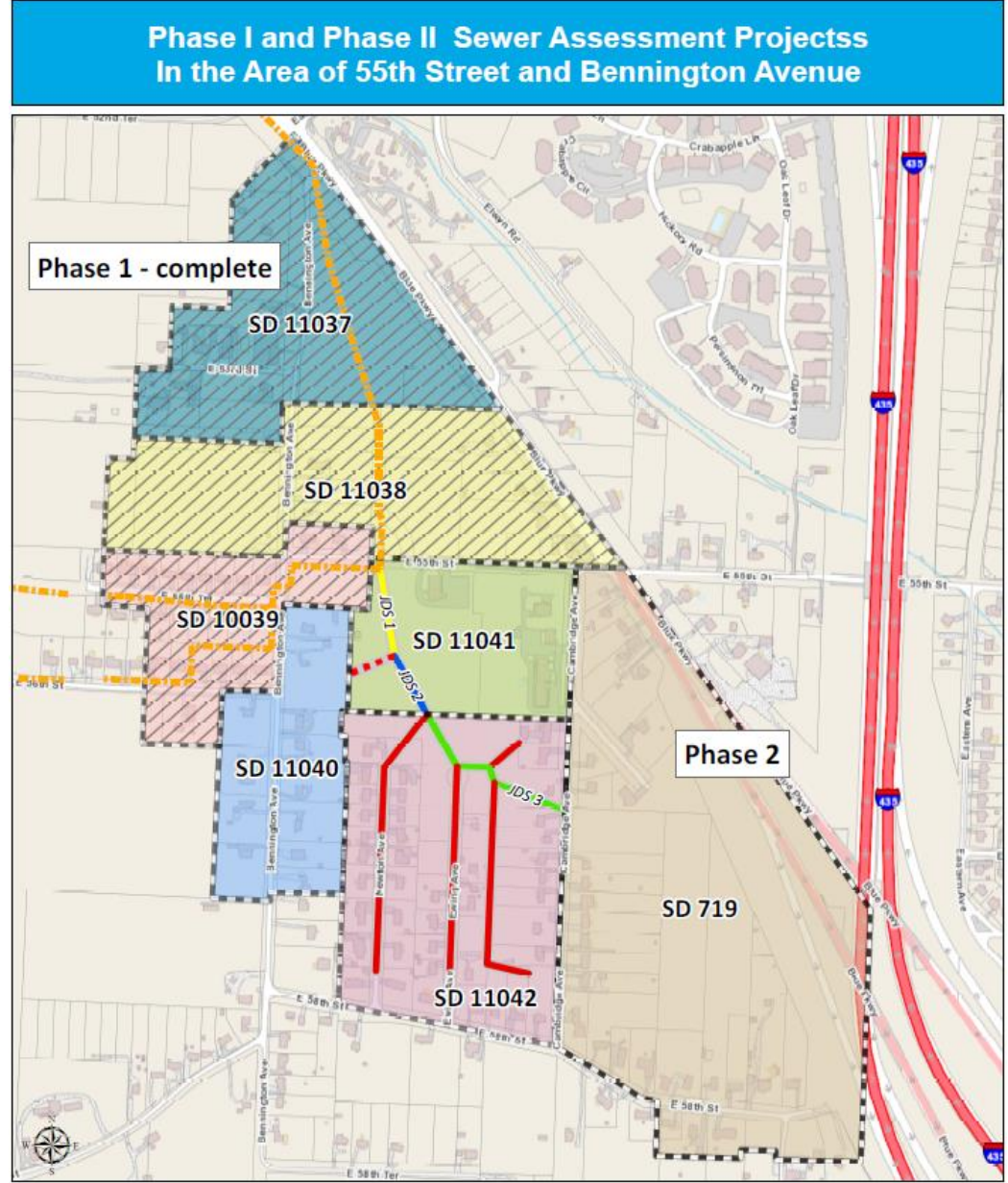
Public  
Hearing

The Determination Letter, issued March 31, 2004, stated that residents had 6 months to address septic issues which had negatively impacted groundwater. Otherwise, the project would proceed.

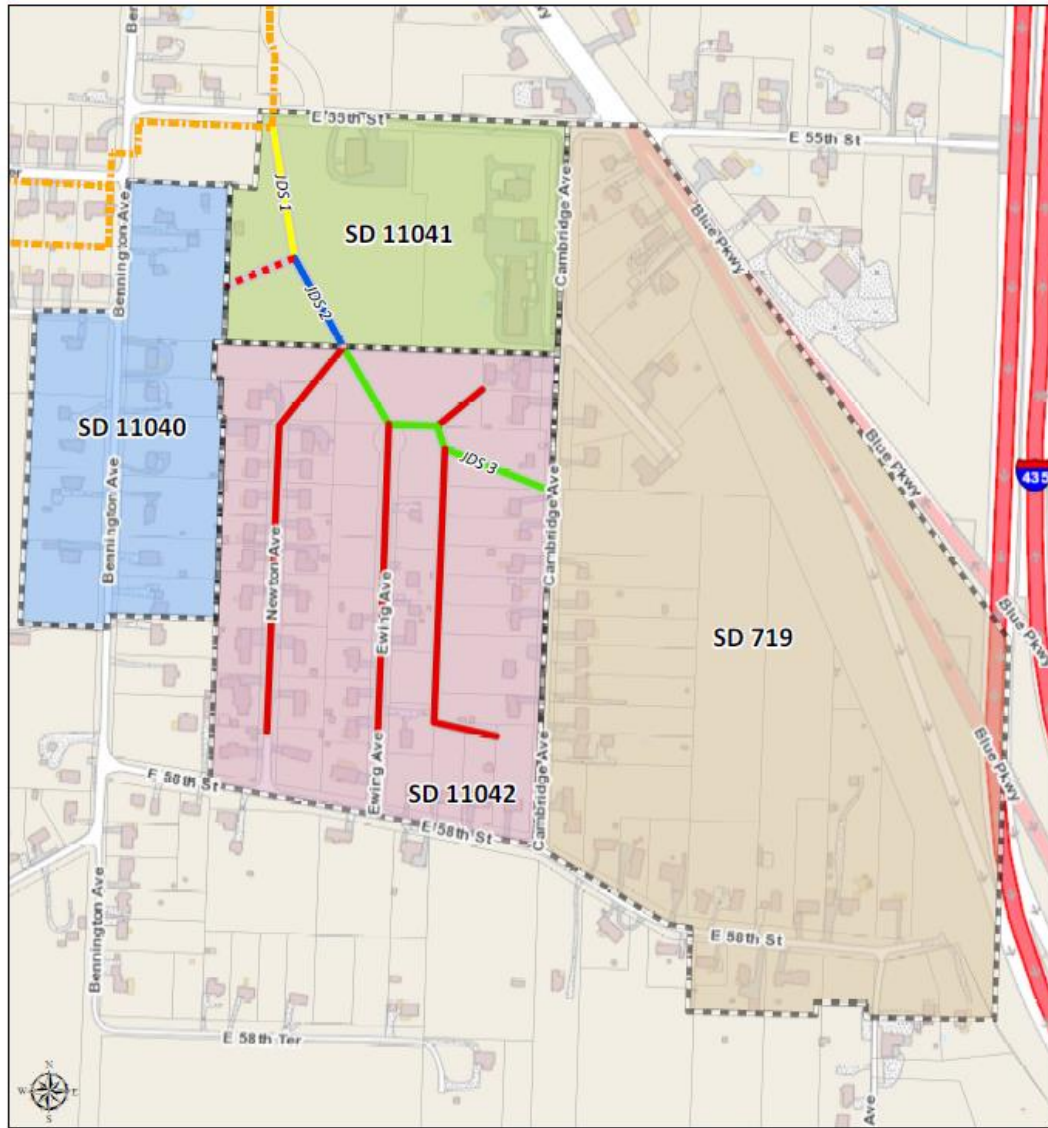
Determ-  
ination

Final Design

Design was authorized by Ordinance 110252 in 2011. The final design for this project was completed in 2013.



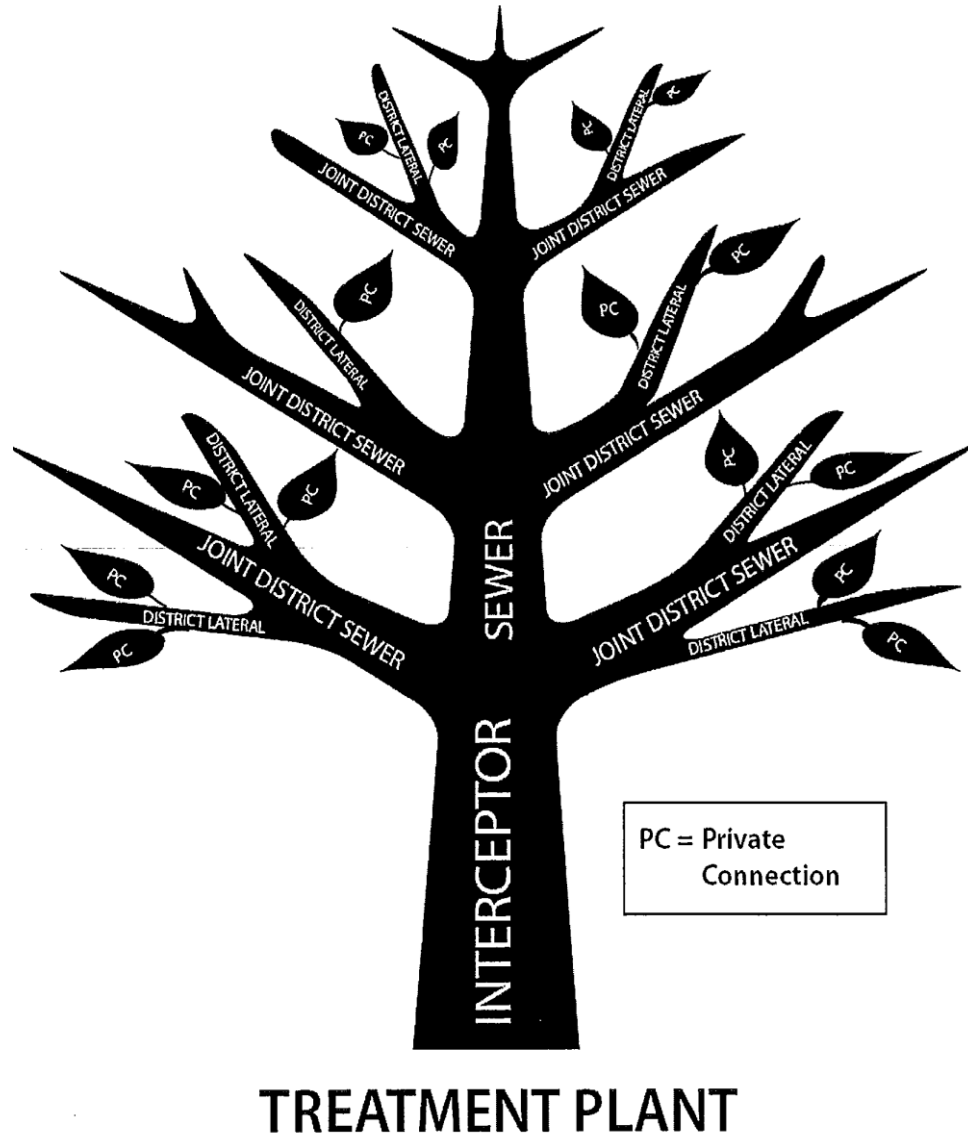
Sewer Districts 719, 11040, 11041 and 11042  
In the Area of 55th Street and Bennington Avenue



# PHASE 2 PROJECT AREA

- Future Extension
- Local District Sewer
- Joint District Sewer 1 (JDS 1)
- Joint District Sewer 2 (JDS 2)
- Joint District Sewer 3 (JDS 3)
- Existing Public Sewer
- Sewer District Boundary

FIGURE 1  
Sanitary Sewer System



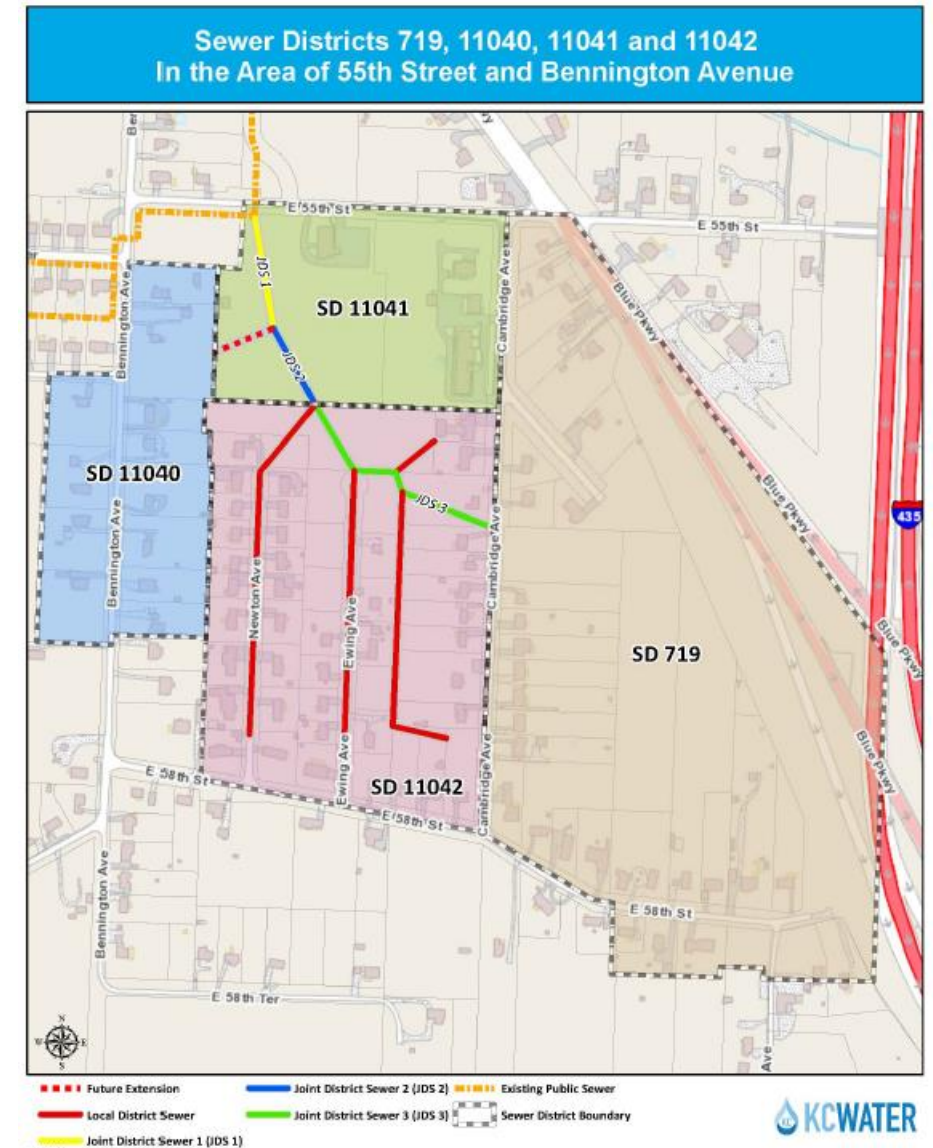
# APPORTIONMENT EXPLAINED

Joint District Sewer – “Whenever the City shall deem it necessary that a sewer be constructed or reconstructed in any part of the city containing two or more sewer districts it may, by ordinance, unite such sewer districts into a joint sewer district and cause a sewer to be constructed therein and assessments may be levied and apportioned to pay therefor...”

- *Code of Ordinances, Section 60.24*

# APPORTIONMENT SUMMARY

Sewer District (SD)	Cost per square foot of property
SD 719	\$0.05
SD 11040	\$0.01
SD 11041	\$0.02
SD 11042	\$0.30



# 55th & BENNINGTON PHASE 2 – APPORTIONMENT

<b>JOINT DISTRICT SEWER #1 FOR SD 719, AND 11040 - 11042</b>			
330 FEET OF 8 INCH PIPE MULTIPLIED BY \$ 125.00 A FOOT EQUALS			\$ 41,250.00
THE TOTAL COST DIVIDED BY 2,918,099 TOTAL SQUARE FEET EQUALS	\$0.01413592		
<b>JOINT DISTRICT SEWER #2 FOR SD 719, AND 11041 - 11042</b>			
350 FEET OF 8 INCH PIPE MULTIPLIED BY \$ 125.00 A FOOT EQUALS			\$ 43,750.00
THE TOTAL COST DIVIDED BY 2,505,935 TOTAL SQUARE FEET EQUALS	\$0.01745855		
<b>JOINT DISTRICT SEWER #3 FOR SD 719, AND 11042</b>			
750 FEET OF 8 INCH PIPE MULTIPLIED BY \$ 125.00 A FOOT EQUALS			\$ 93,750.00
THE TOTAL COST DIVIDED BY 2,057,264 TOTAL SQUARE FEET EQUALS	\$0.04557023		
<b>DISTRICT 719 PAYS FOR JOINT DISTRICT SEWERS #1, #2, AND #3</b>			
Joint District #1	\$0.01413592		
Joint District #2	\$0.01745855		
Joint District #3	\$0.04557023		
	TOTAL	\$ 0.07716470	per square foot
DOLLARS PER SQUARE FOOT LESS AVAILABLE SUBSIDY		\$0.046298821	per square foot
ROUNDED DOLLARS PER SQUARE FOOT LESS SUBSIDY	TOTAL	\$ 0.0463	per square foot
<b>DISTRICT 11040 PAYS FOR JOINT DISTRICT SEWER #1</b>			
Joint District #1	\$0.01413592		
DOLLARS PER SQUARE FOOT LESS AVAILABLE SUBSIDY		\$0.008481549	per square foot
ROUNDED DOLLARS PER SQUARE FOOT LESS SUBSIDY	TOTAL	\$ 0.0085	per square foot

<b>DISTRICT 11041 PAYS FOR JOINT DISTRICT SEWERS #1, AND #2</b>			
Joint District #1		\$0.01413592	
Joint District #2		\$0.01745855	
	TOTAL	\$ 0.03159447	per square foot
DOLLARS PER SQUARE FOOT LESS AVAILABLE SUBSIDY		\$0.018956681	per square foot
ROUNDED DOLLARS PER SQUARE FOOT LESS SUBSIDY	TOTAL	\$ 0.0190	per square foot
<b>DISTRICT 11042 PAYS FOR JOINT DISTRICT SEWERS #1, #2, AND #3 AND FOR COLLECTION SEWERS</b>			
Joint District #1		\$0.01413592	
Joint District #2		\$0.01745855	
Joint District #3		\$0.04557023	
Collection System			
2900 FEET OF 8 INCH PIPE MULTIPLIED BY \$125.00 A FOOT EQUALS			\$ 362,500.00
THE TOTAL COST DIVIDED BY 854,902 TOTAL SQUARE FEET EQUALS		\$0.42402521	per square foot
	TOTAL	\$ 0.50118991	per square foot
DOLLARS PER SQUARE FOOT LESS AVAILABLE SUBSIDY		\$0.300713947	per square foot
ROUNDED DOLLARS PER SQUARE FOOT LESS SUBSIDY	TOTAL	\$ 0.3007	per square foot

# PUBLIC OPINION/INTEREST CARDS



## Sewer Extension Project Sewer Districts 719, 11040, 11041 and 11042 In the Area of 55<sup>th</sup> Street and Bennington Avenue

I/we, the undersigned, as property owners in Sewer Districts 719, 11040, 11041 and/or 11042, urge KC Water to

- Make this project a priority**
- Not make this project a priority**
- Have no preference on this project**

Choose one and return no later than 5 p.m., Thursday, Dec. 17, 2020

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Name(s) (please print)

\_\_\_\_\_  
Address

\_\_\_\_\_  
City

\_\_\_\_\_  
State

\_\_\_\_\_  
ZIP

Questions? Contact John Hitson, Project Manager, KC Water, 816-513-0341 or [john.hitson@kcmo.org](mailto:john.hitson@kcmo.org)

**Please complete and return this card by Dec. 17, 2020**

# POTENTIAL SCHEDULE

- Property Owner Replies.....January 2021
- Completion of Project Design.....Six months
- Completion of Easement Acquisition.....Six months from design
- Take Construction Bids.....Two months from easements
- Begin Construction of Sewers.....Four months after bid
- Issue Tax Bills.....Up to five months from completion
- First Installment Dates.....One month from bill issuance





# QUESTIONS?

**John Hitson**, Project Manager

[john.hitson@kcmo.org](mailto:john.hitson@kcmo.org) or 816.513.0341

or

**Karine Papikian**, Collection Systems Section Head

[karine.papikian@kcmo.org](mailto:karine.papikian@kcmo.org), or 816.513.0300





THANK YOU.

