





ORDINANCE NO. 260329

Sewer Separation: Brookside Phase 5

Authorizing the Director of Water Services to execute a \$4,000,000.00 design professional services contract with Burns & McDonnell Engineering Company, Inc., for the Sewer Separation: Brookside Phase 5 project; and recognizing this ordinance as having an accelerated effective date.

April 14, 2026

Transportation, Infrastructure & Operations
Committee



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Major Flood: October 4, 1998

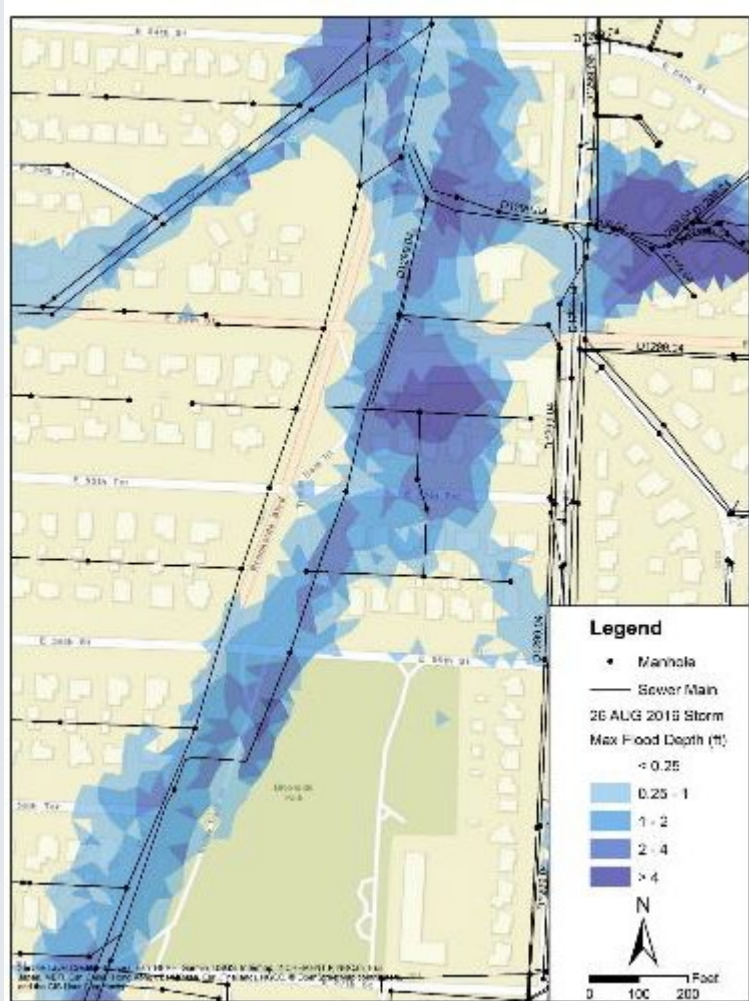
From the National Weather Service Report:

“Flash flooding along Brush Creek, Turkey Creek and Indian Creek resulted in eleven people losing their lives. Ten of the eleven deaths occurred after sunset and in automobiles, traditionally high risk factors associated with flash floods. The flash flood received national attention, as millions watched as the deluge swamped a nationally televised football game between the Kansas City Chiefs and Seattle Seahawks. In addition to the flash flooding in Kansas City, reports of hail up to quarter-sized, wind gusts up to 70 miles per hour and high impact river flooding was reported. All told, damages were estimated at over \$50 million.”

KC Water contracted with Burns & McDonnell in 1999 to study the Brookside sewer system

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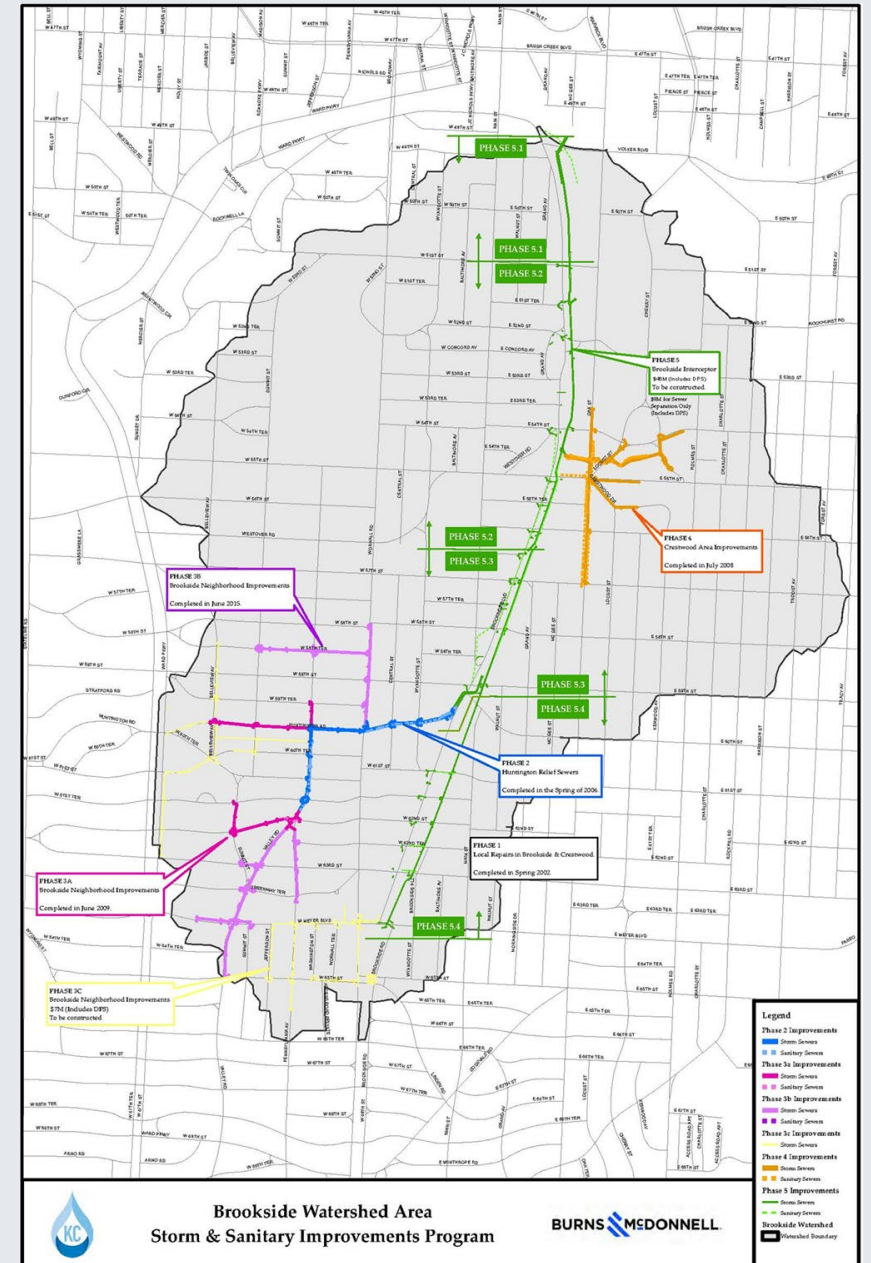
August 2016 Flood



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Watershed Improvements To Date:

- 2002 – Phase 1 Localized Spot Repairs in entire Brookside Watershed (Entire Area)
- 2006 – Phase 2 Huntington Relief Sewers (Blue)
- 2008 – Phase 4 Crestwood Area Improvements (Orange)
- 2009 – Phase 3A Brookside Neighborhood Improvements (Red)
- 2015 – Phase 3B Brookside Neighborhood Improvements (Purple)
- 2019/26 – Phase 1 and 2 Keep Out the Rain (7 Million Gallons of Inflow Removed)
- 2029 – Phase 5 (Green)



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Phase 5 Project History:

- 2006 – Brookside Area Drainage and Sanitary Sewer Study amendment for Phase 5
- 2009 – Phase 5 Design and bidding placed on hold due to funding constraints
- 2010 – City’s Consent Decree established a requirement to be complete by Dec. 31, 2032 (later extended to 2035)
- 2018 – Proposed Kansas City Streetcar alignment directly conflicted with sewer project. Alternatives evaluation and optimization followed
- 2026 – Ordinance to authorize completion of Phase 5 Design





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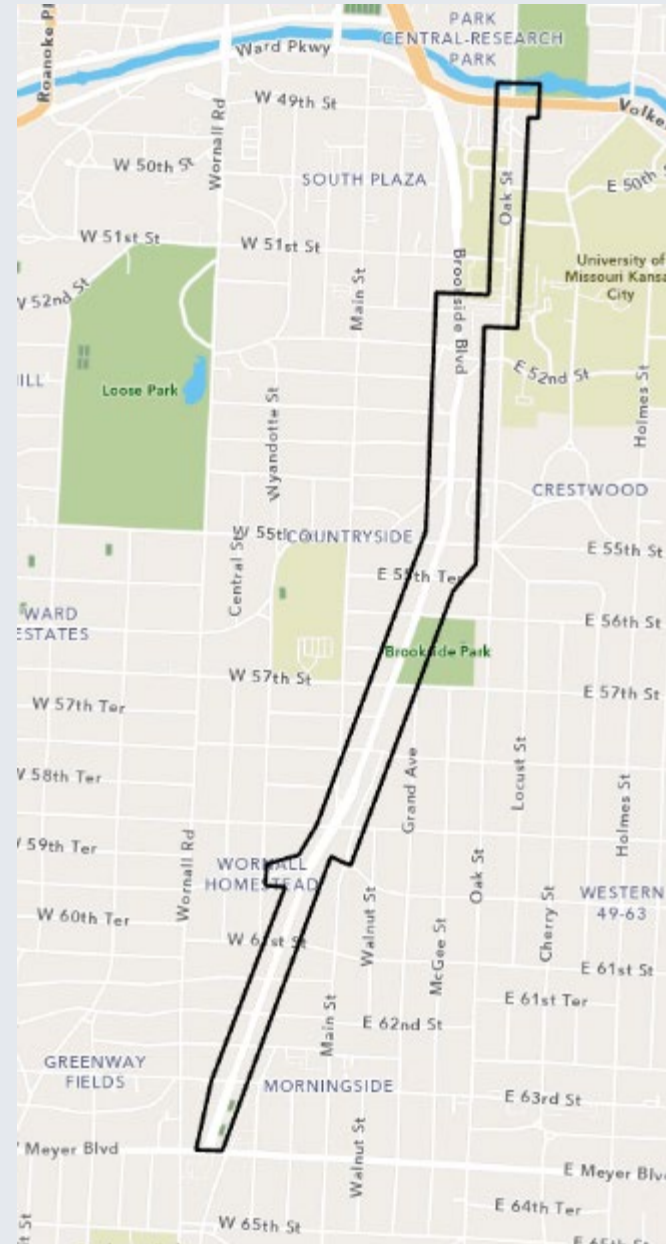
Regulatory Requirement:

Sewer Separation of 1,140 acres of Combined Sewer System and ~67 MG of Combined Sewer Overflow (CSO) reduction

Project Scope:

CSO reduction anticipated: ~190 MG

- Sewer separation
- Water main replacement
- Field investigations
- Communications/engagement
- Hydrologic and hydraulic modeling



 Project Boundary

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Proactive Public Engagement

- Public engagement plan
- Stakeholder list and stakeholder information meetings
- 1:1 meetings with Brookside residents, homes associations, business owners
- Online community survey
- Two community open house events
- Design phase communications materials



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M/WBE Subcontractor Participation

CREO KC approved the Contractor Utilization Plan on March 16, 2026 with 10% MBE and 10% WBE participation.

MBE Firms

Taliaferro & Browne, Inc.
TSi Geotechnical, Inc.

WBE Firms

Vireo, LLC
TREKK Design Group, LLC

THANK YOU

