

PROJECT REPORT

DATE:	October 16, 2025
NAME	Jerry Wilkins
ADDRESS / LOCATION	8451 S. 9 th Street
WATERSHED	Broken Arrow Creek
ESTIMATE	\$75,000
CASE NO.	25-019

DESCRIPTION

A citizen owns a piece of unplatted property along Broken Arrow Creek. The property is experiencing overland flow through the property. A FEMA floodplain/floodway is located on the property. The pond crested the dam during rainstorms this past spring. The citizen states that the inflow to the pond is greater than the outflow leaving the pond. As a reminder, there was record rainfall totals this past spring, 2025.

The property was developed in 2021/2022. There are no engineering plans on file for the design of the existing pond to verify it was built to handle the incoming flow. The outflow structure does not appear to be able to handle most storm events efficiently. Also, there is a sanitary sewer manhole in existing outlet structure. The existing sewer in this location is a 60-inch trunk line that is the city's main line to the wastewater treatment plant located just downstream of the applicant's location.

The applicant also has overland flow that comes from S. 9th Street (Lynn Lane) due to lack of drainage ditches or curb and gutter.

The applicant states that the upstream project (8th and Natchez culvert replacement, DAC Case No. 24-012) is going to push more water onto the applicant. The same amount of water will flow through the drainage area as before. Replacement of the structures upstream was completed in October 2025 and sized to meet the City's Engineering Criteria Manual. Sand has filled the channel on the applicant's property due to the sandy soils located in this area and close proximity to the Arkansas River. The accumulation of sand is due to natural erosion, not upstream construction.

The applicant previously applied to the DAC for erosion concerns at the outlet pipe under Lynn Lane. The original case number was 20-003. Outlet/Channel Improvements were completed in 2021 and \$76,131.66 of proposition 6 funds were expended on this applicant's property.

The proposed project will be to design drainage improvements along Natchez to mitigate the overland flow and analyze the pond outlet structure for potential improvements.

Staff is requesting \$75,000.00 for design funds.

Case No. 25-019

BENEFIT

Mitigate the overflow of the pond to protect the existing 60-inch SS trunk line and improve existing storm sewer infrastructure to meet the City's Engineering Criteria Manual.

RECOMMENDATION

Approve the request for expenditure of \$75,000 to design storm improvements and protect the City's sanitary sewer trunk line.

COMPLETED BY: **Sarah Walters**

DATE: 10/16/2025

Walters, Sarah

From: Wilson, Patrick
Sent: Wednesday, August 20, 2025 3:05 PM
To: Walters, Sarah
Cc: Reed, David
Subject: Fw: *NEW SUBMISSION* Drainage Advisory Committee Project Application

Patrick Wilson, P.E., CFM

*Stormwater Division Manager
Engineering and Construction Department*

City of Broken Arrow

485 N. Poplar Ave.

Broken Arrow, OK 74012

Office: 918-259-7000 ext. 5243 | Fax: 918-259-8453

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From: BrokenArrowOK.gov webmaster <webmaster@brokenarrowok.gov>
Sent: Monday, August 18, 2025 9:27 AM
To: Wilson, Patrick <PWilson@brokenarrowok.gov>; Engineering & Stormwater <engineering.stormwater@brokenarrowok.gov>
Subject: *NEW SUBMISSION* Drainage Advisory Committee Project Application

Drainage Advisory Committee Project Application

Submission #: 4267079
IP Address: 172.59.196.146
Submission Date: 08/18/2025 9:27
Survey Time: 39 minutes, 4 seconds

You have a new online form submission.

Note: all answers displaying "*****" are marked as sensitive and must be viewed after your login.

Owner Name

Jerry Wilkins

Phone

(918) 808-1640

Email

jelandgroup@gmail.com

Owner Mailing Address

8451 S. 9th Street
Broken Arrow, OK 74011

Address of Property with Drainage Problem

8451 S. 9th Street
Broken Arrow, OK

Location of Drainage Issue on Property

NE corner of property. Spillway and cleanout of channel feeding pond is needed to protect your sewer manholes and our property.

Description of Problem

During many of the rainstorms, the pond we have built to hold the water being channeled into it, is cresting the dam and the overflow cannot keep up with the inflow. With the completed project west of our property, even more water will now be pushed into / through our property. The flood water is destroying our property, pushing material (rock/gravel parking lots), furniture, flower beds and trees off our property and into the creek east of us. Also, with all of the construction upstream and massive rains, the sand has filled up the channel feeding our pond. Please review the videos sent directly to Kenneth Schwab, much more telling than the photos below.

Please attach photos depicting the Drainage Issue

[IMG_2720.PNG](#)

[IMG_2722.PNG](#)

[IMG_2724.PNG](#)

[IMG_2729.PNG](#)

[IMG_2730.PNG](#)

Thank you,

City of Broken Arrow

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Aerial Map



Lynn Lane (S. 9th Street)

Pond
Embankment
& 60" Trunk
Line Manhole

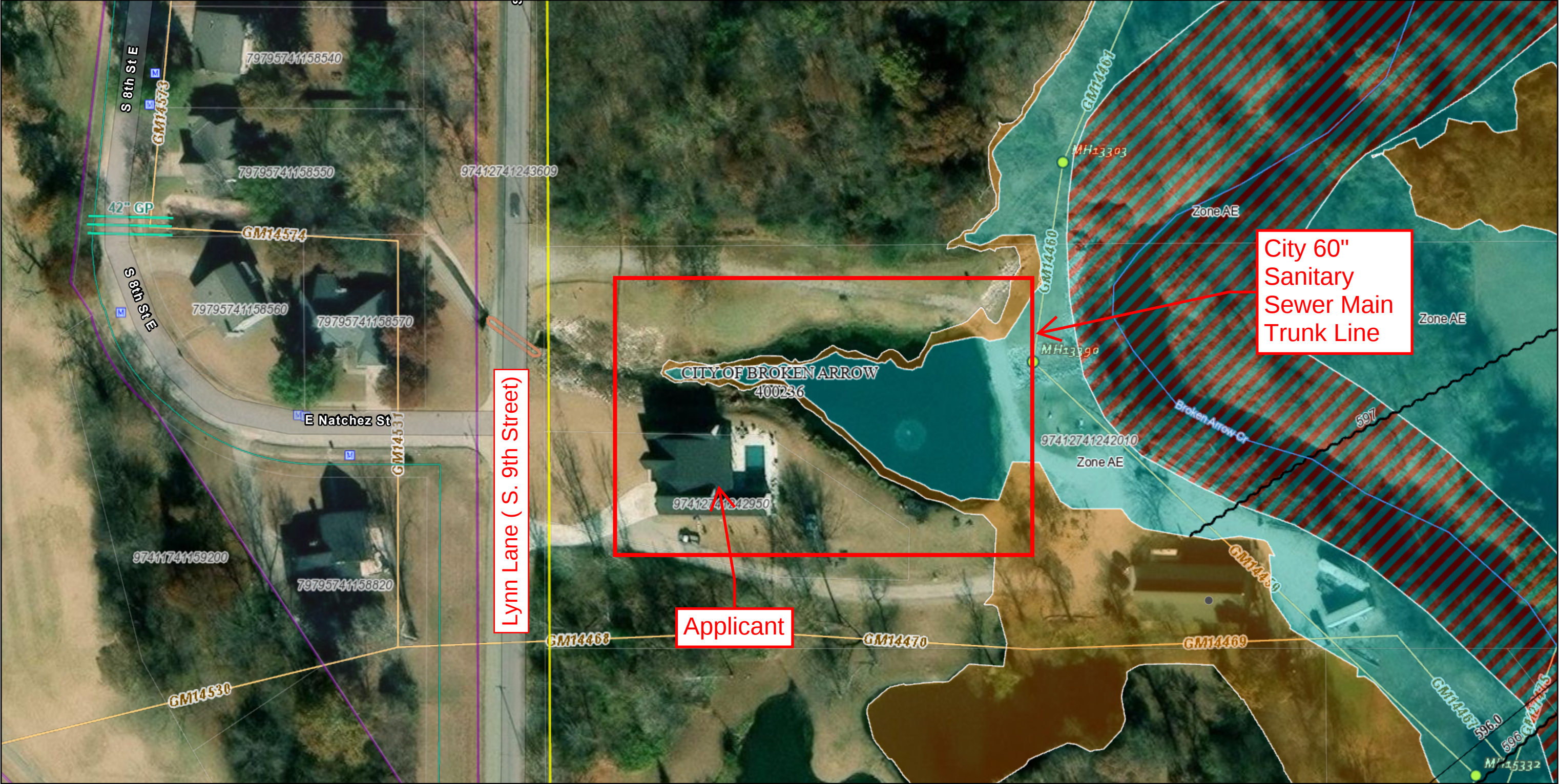
E. Natchez Street

Applicant

Wastewater
Treatment Plant



Stormwater Utility Map



10/17/2025 2:21 PM

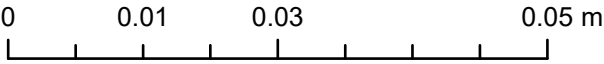
- Address Points
- Creeks
- City Owned Detention Ponds
- Private Detention Ponds
- PLSS (ODOT 2020)
- Fenceline
- City Limits
- Streams
- SubDivisions
- Parcels (INCOG)

- Primary Frontal Dunes
- Flood Hazard Zones**
- Zone Type**
- 1% Annual Chance Flood Hazard
- Regulatory Floodway
- Special Floodway
- Area of Undetermined Flood Hazard
- 0.2% Annual Chance Flood Hazard
- Future Conditions 1% Annual Chance Flood Hazard
- Area with Reduced Risk Due to Levee
- Area with Risk Due to Levee

- Flood Hazard Boundaries**
- Line Type**
- Limit Lines
- SFHA / Flood Zone Boundary
- Flowage Easement Boundary
- Limit of Moderate Wave Action
- River Mile Markers

- General Structure**
- Flood
- Bridge
- Dam, Weir, Other
- Transect
- Coastal
- Levees
- Base Flood

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Picture 1: Overflow Weir Channel from Private Pond looking upstream Broken Arrow Creek



Picture 2: Private Pond outlet looking east towards Broken Arrow Creek



Picture 3: Inflow channel into Private Pond



Picture 4: Overland sheet flow coming from the west onto Applicant's property



Picture 5: Looking south west of private pond towards Broken Arrow Creek.



Picture 6: Standing at Lynn Lane looking east towards Broken Arrow Creek. Previous DAC improvements from Case Number 20-003 Agenda Item 20-1193. Improvements complete in 2021. Total amount spent was \$76,131.66 for upsizing culvert and addressing erosion from culvert.