

PROJECT REPORT

DATE:	03/13/2026
NAME	Indian Nations Council Boy Scouts of America
ADDRESS / LOCATION	02800 New Orleans St
WATERSHED	Broken Arrow Creek
ESTIMATE	\$70,000.00
CASE NO.	26-009

DESCRIPTION

Indian Nation Council Boy Scouts of America (Boy Scouts) contacted the City requesting assistance with a drainage concern. The land has changed over the last 100 years. It was a strip mine in the 1950's. Since then, a portion has been reclaimed for beneficial use. The northeast portion is currently owned by Northeastern State University, NSU. NSU appears to have started reclaiming the land around 2002, according to aerial photographs. Prior to the strips mines Broken Arrow Creek was originally west of the Boy Scouts property. Currently Broken Arrow Creek has changed course and now flows through the pond on the Boy Scouts Pond. The date of the change in flow direction is unknown. However, the 1995 aerial shows the connection between Broken Arrow Creek and the Boy Scouts pond already established.

The outflow structure of the Boy Scouts pond is a low water crossing. A low water crossing is a structure that is designed to overtop before the 1% chance (100-Year) rainfall event. The structure is calculated to overtop by about 5 ft - 9 in during a 1% chance event. The Boy Scouts state the outlet structure does overtop several times a year. This overtopping has caused erosion concerns around the structure. The Boy Scouts have previously repaired some damage and are requesting assistance with the current conditions.

New Orleans St. is calculated to overtop by about 11 inches during the 1% event storm. City staff does not have records of New Orleans St. overtopping in the last 38 years.

This area is in a FEMA regulated floodplain and a blue line stream governed by the United States Army Corps of Engineers.

Case No. 26-009

BENEFIT

Protection of road, intersection, and citizens downstream of the pond.

RECOMMENDATION

Approve the request for expenditure of \$70,000.00 to design erosion mitigation to the outlet structure of the Boy Scouts pond.

COMPLETED BY: Patrick P. Wilson

DATE: 4/21/26

Reed, David

From: BrokenArrowOK.gov webmaster <webmaster@brokenarrowok.gov>
Sent: Friday, April 3, 2026 10:52 AM
To: pwilson@brokenarrowok.gov; engineering.stormwater@brokenarrowok.gov
Subject: *NEW SUBMISSION* Drainage Advisory Committee Project Application

Drainage Advisory Committee Project Application

Submission #: 4739985
IP Address: 64.207.227.244
Submission Date: 04/03/2026 10:51
Survey Time: 55 minutes, 32 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

Indian Nations Council Boy Scouts of America

Phone

(530) 770-1152

Email

laura.lovell@scouting.org

Owner Mailing Address

4295 S. Garnett St.
Tulsa, OK 74146

Address of Property with Drainage Problem

02800 New Orleans St
Broken Arrow, OK

Location of Drainage Issue on Property

Just east of the intersection of E. 101st St. and S. 191st Ave - Broken Arrow Creek flooding issue

Description of Problem

Broken Arrow Creek now flows onto our property due to upstream alterations to its natural drainage pattern, including a diversion from a more westerly flow. Additionally, the property immediately north of us has been cleared and regraded, removing vegetation and natural shale ridges that previously helped retain and slow water. These changes have increased both the volume and rate of flow entering our portion of Broken Arrow Creek. As a result, the creek now regularly overtops our weir wall, causing flooding across 101st Street and into the properties south of the roadway. The street flooding has occurred at least twice in the past five years, creating hazardous conditions and impacting the safety of those traveling on 101st Street.

Please attach photos depicting the Drainage Issue

[graves 2.jpg](#)

[graves 3.jpg](#)

[graves 4.jpg](#)

[graves 5.jpg](#)

[graves 6.jpg](#)

Thank you,
City of Broken Arrow

This is an automated message generated by Granicus. Please do not reply directly to this email.

1995 Aerial Map

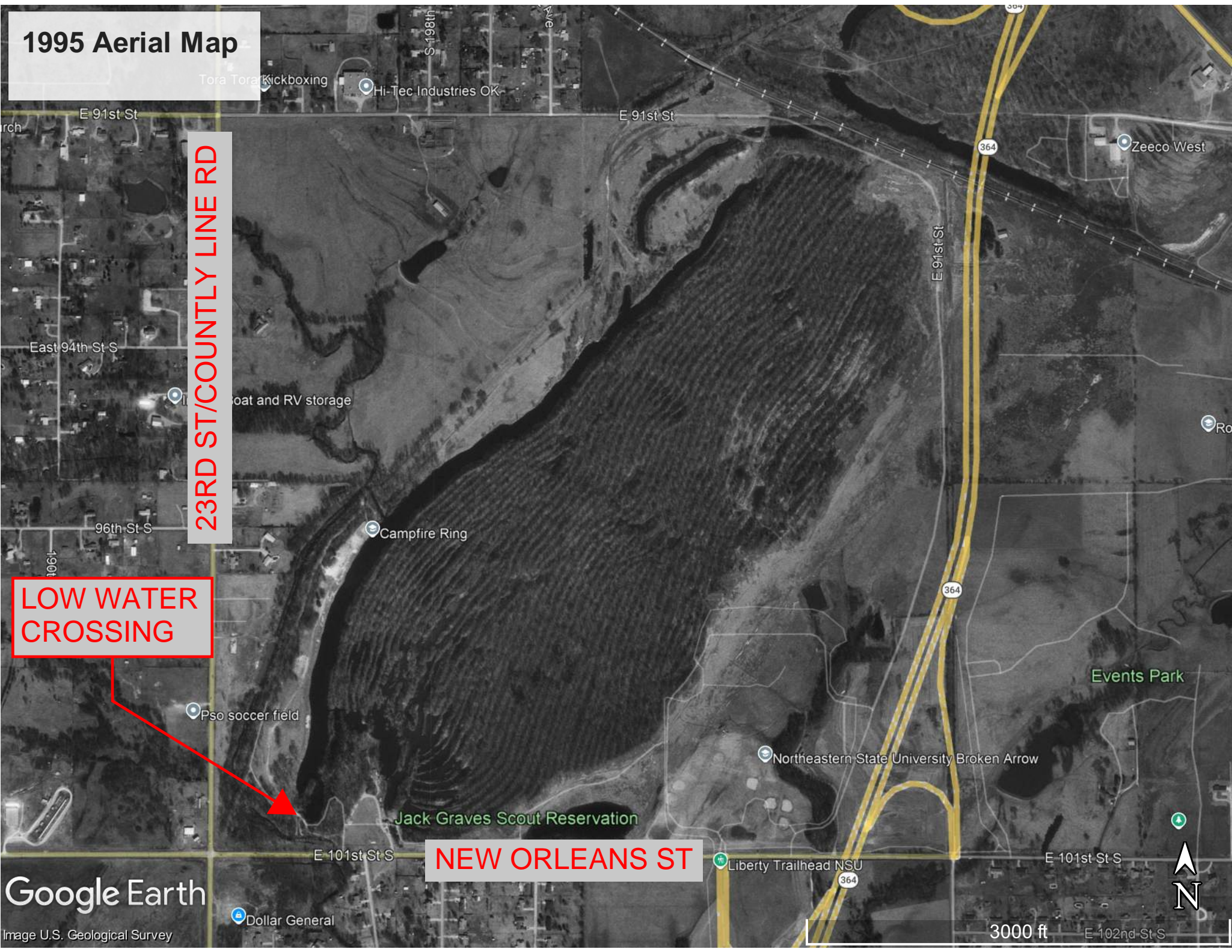
23RD ST/COUNTY LINE RD

LOW WATER CROSSING

NEW ORLEANS ST

Google Earth

Image U.S. Geological Survey



3000 ft



2025 Aerial Map

Tora Tora Kickboxing
Hi-Tec Industries OK

23RD ST/COUNTY LINE RD

LOW WATER CROSSING

NEW ORLEANS ST

Google Earth

Image © 2025 Airbus

Dollar General

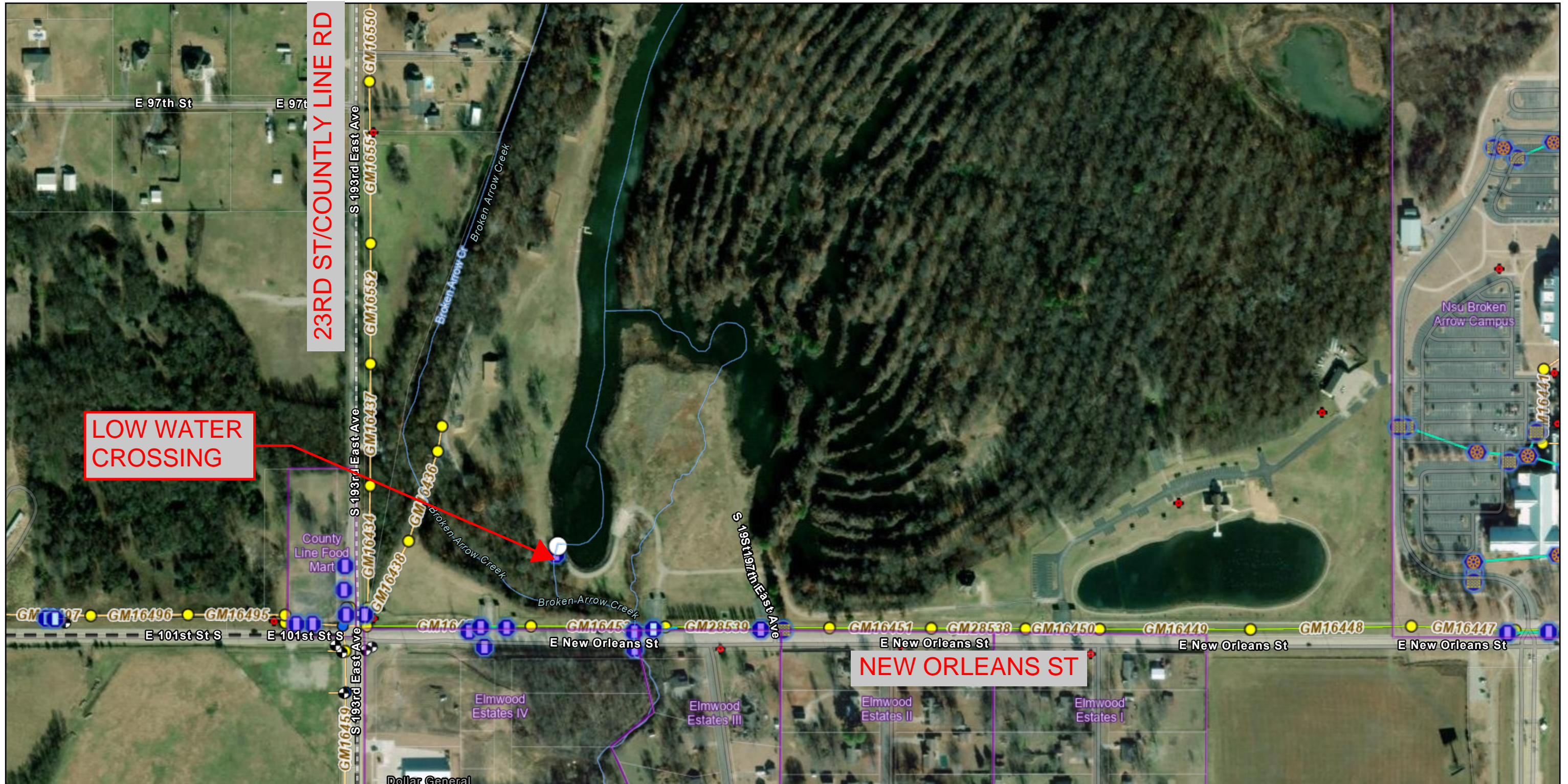
Liberty Trailhead NSU

364

3000 ft



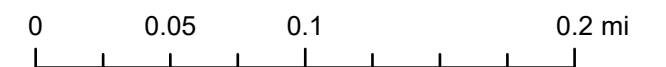
Stormwater Utility Map



4/14/2026 5:23 PM

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|----------------------------|---------------------|---------------------|------------------|------------|
| Creeks | Pipe Culvert | Open Channel | Gravity | BMP Point |
| City Owned Detention Ponds | Pipe Arch Culvert | Unknown | Force Main | Unknown |
| Private Detention Ponds | Box Culvert | Aquaduct Channel | Perforated | Detention |
| Fenceline | Arch Culvert | Spillway Channel | | Dry Basin |
| City Limits | Bridge Culvert | Natural Channel | BMP Inlet | Treatment |
| Streams | | Ditch Channel | Unknown | Wet Basin |
| SubDivisions | Linear Drain | Roadside Gutter | Apron Inlet | Bed Filter |
| Parcels (INCOG) | Unknown | | Pipe Inlet | |
| Culvert | Trench Drain | Pipe | Channel Inlet | |
| Unknown | Slotted Drain | Unknown | | |

This map's utility information is for general purposes only. The City of Broken Arrow makes no warranties regarding its accuracy, completeness, or reliability. Use of this information is at risk.



Vantor, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community



1956 - USGS Topographical Map

topoView

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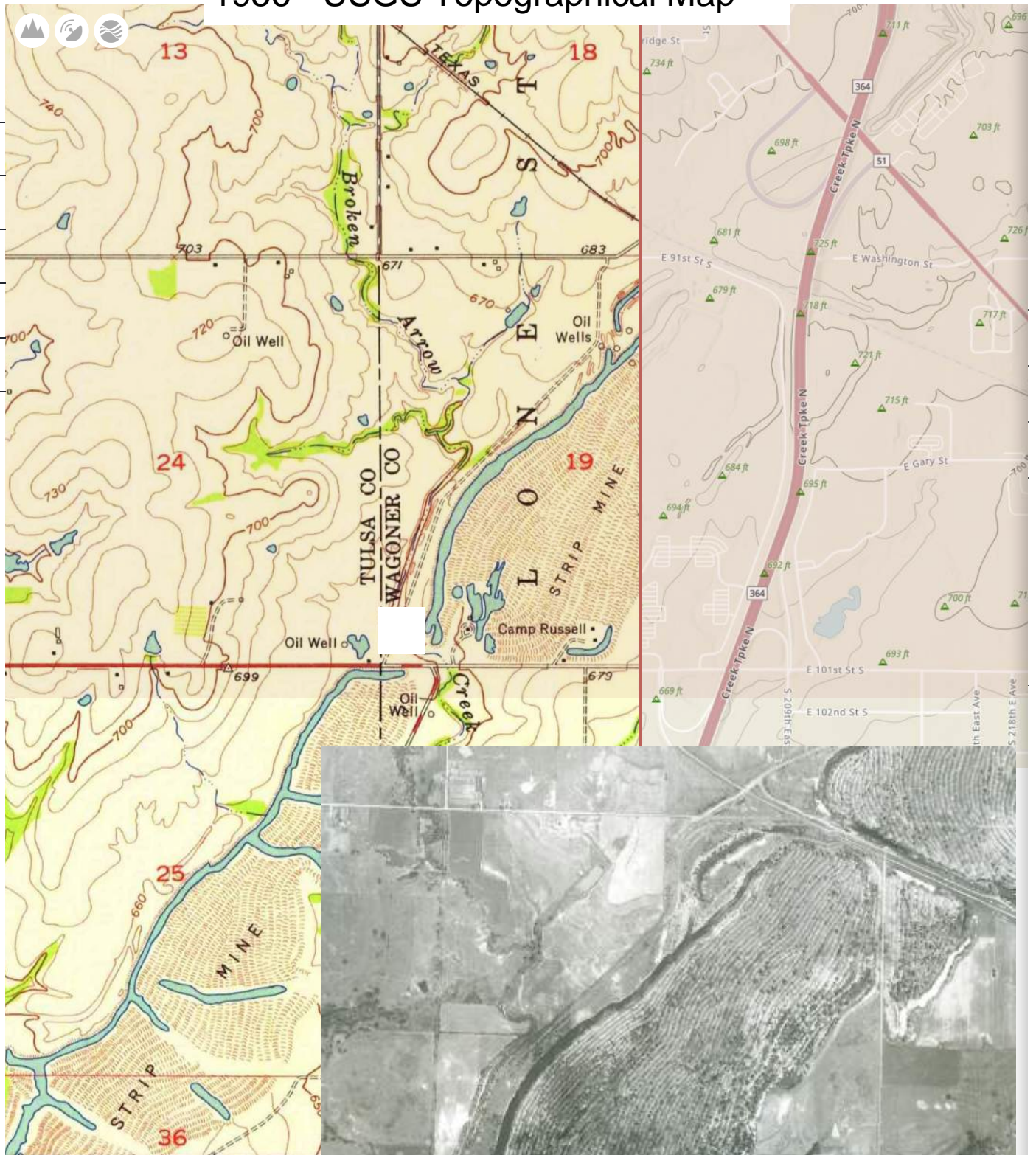
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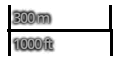


1958 Aerial

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Lat: 36° 1' 32" N Long: 95° 43' 22" W

DMS DD MGR UTM

Scale 1:18,056
Map Records: 35

Partly sunny, 70° near Broken Arrow, OK.



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