

# City of Broken Arrow

## Drainage Advisory Committee



## 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

Tora Tora Kickboxing

Hi-Tec Industries OK

E 91st St

E 91st St

364

Zeeco West

E 91st St

East 94th St S

boat and RV storage

96th St S

23RD ST/COUNTLY LINE RD

LOW WATER  
CROSSING

Campfire Ring

364

Events Park

Pso soccer field

Northeastern State University Broken Arrow

Jack Graves Scout Reservation

E 101st St S

NEW ORLEANS ST

Liberty Trailhead NSU

364

E 101st St S

Google Earth

Dollar General

Image U.S. Geological Survey

3000 ft

E 102nd St S



# 2025 Aerial Map

Tora Tora Kickboxing

Hi-Tec Industries OK

E 91st St

E 91st St

364

Zeeco West

East 94th St S

boat and RV storage

96th St S

23RD ST/COUNTLY LINE RD

LOW WATER  
CROSSING

Pso soccer field

Campfire Ring

364

Events Park

Northeastern State University Broken Arrow

Jack Graves Scout Reservation

E 101st St S

NEW ORLEANS ST

Liberty Trailhead NSU

364

E 101st St S

Google Earth

Dollar General

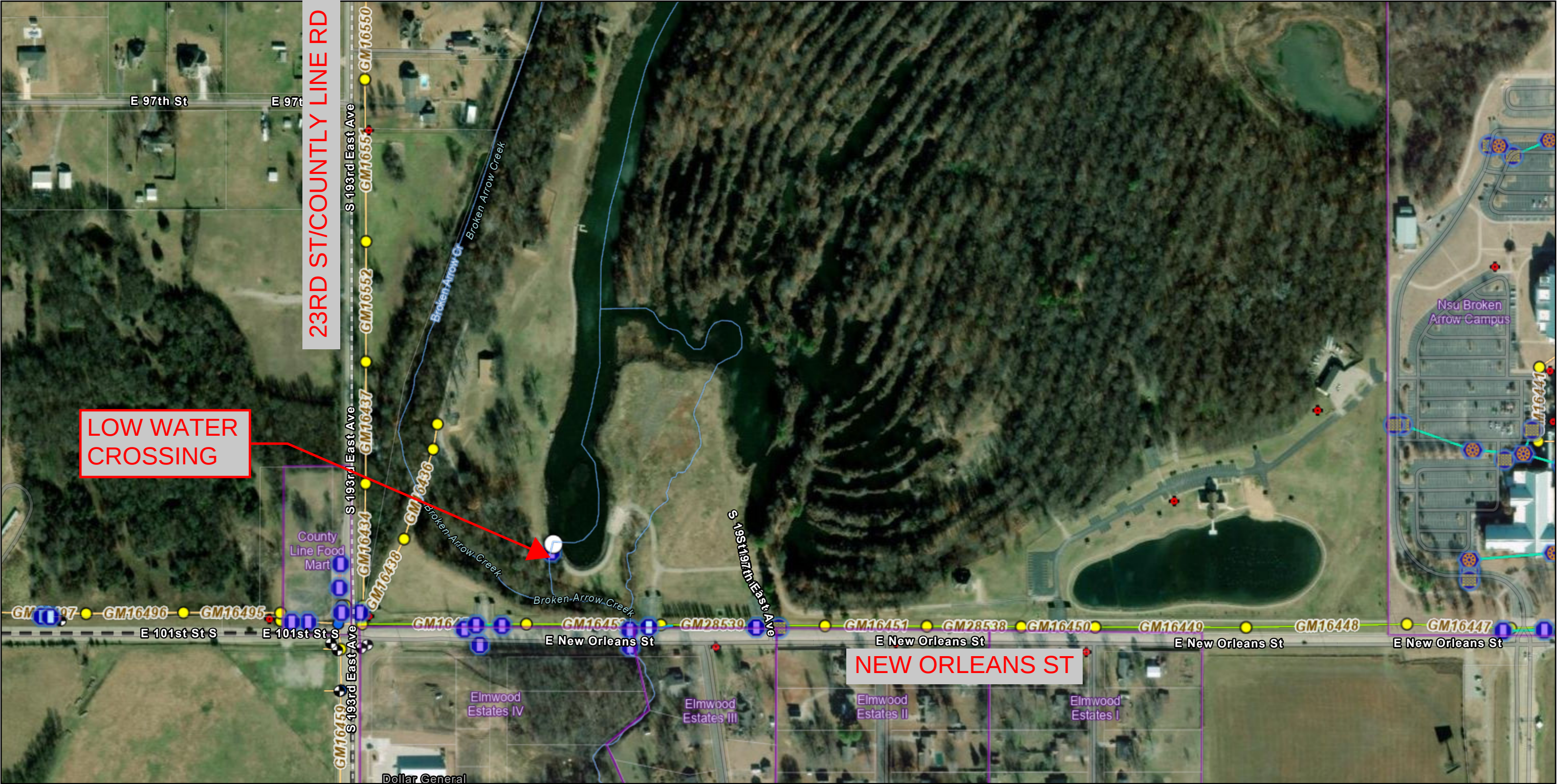
Image © 2025 Airbus

3000 ft

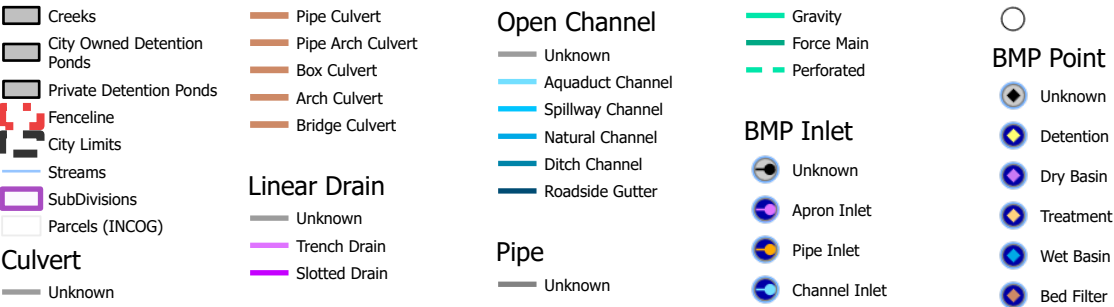
E 102nd St S



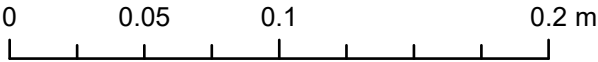
# Stormwater Utility Map



4/14/2026 5:23 PM

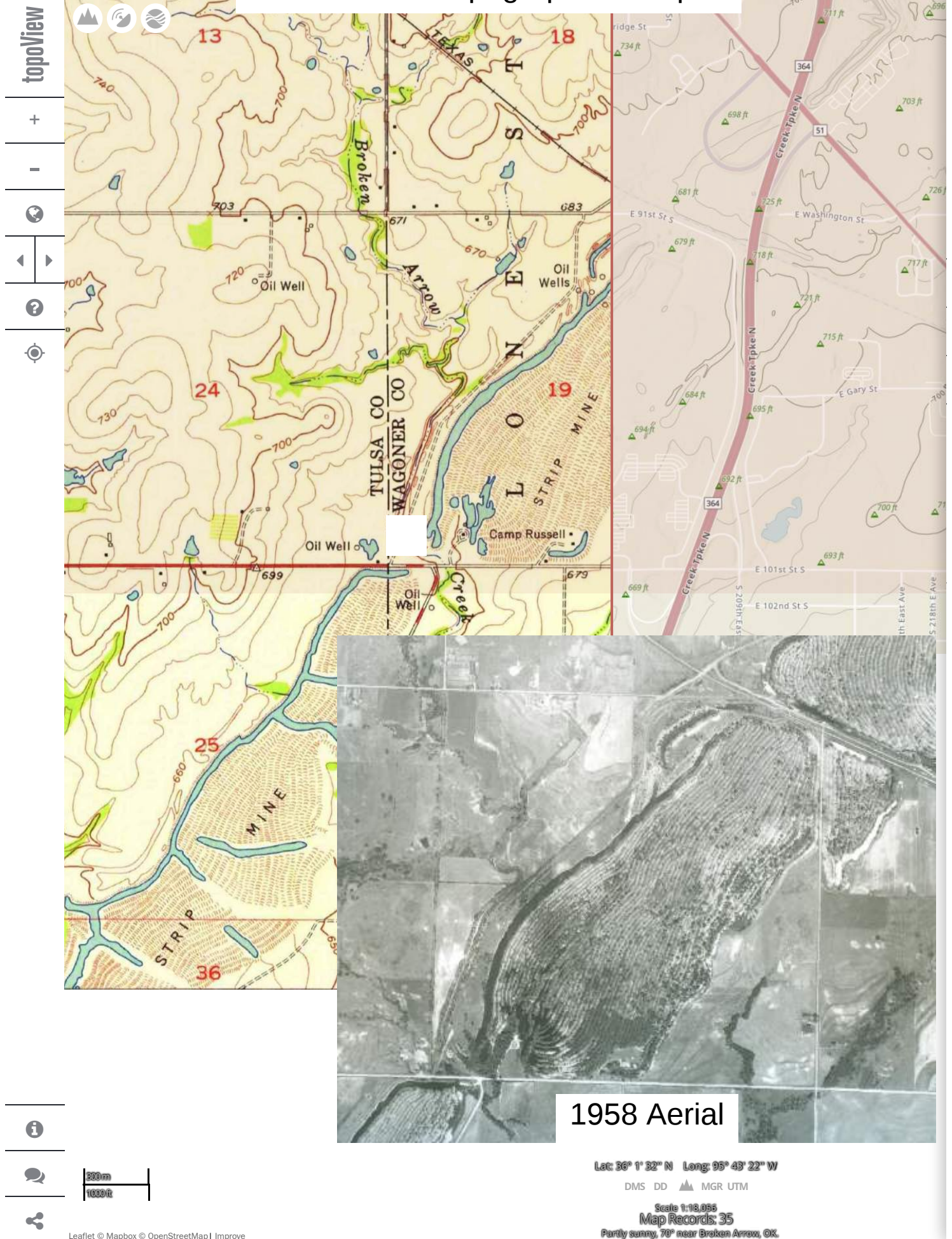


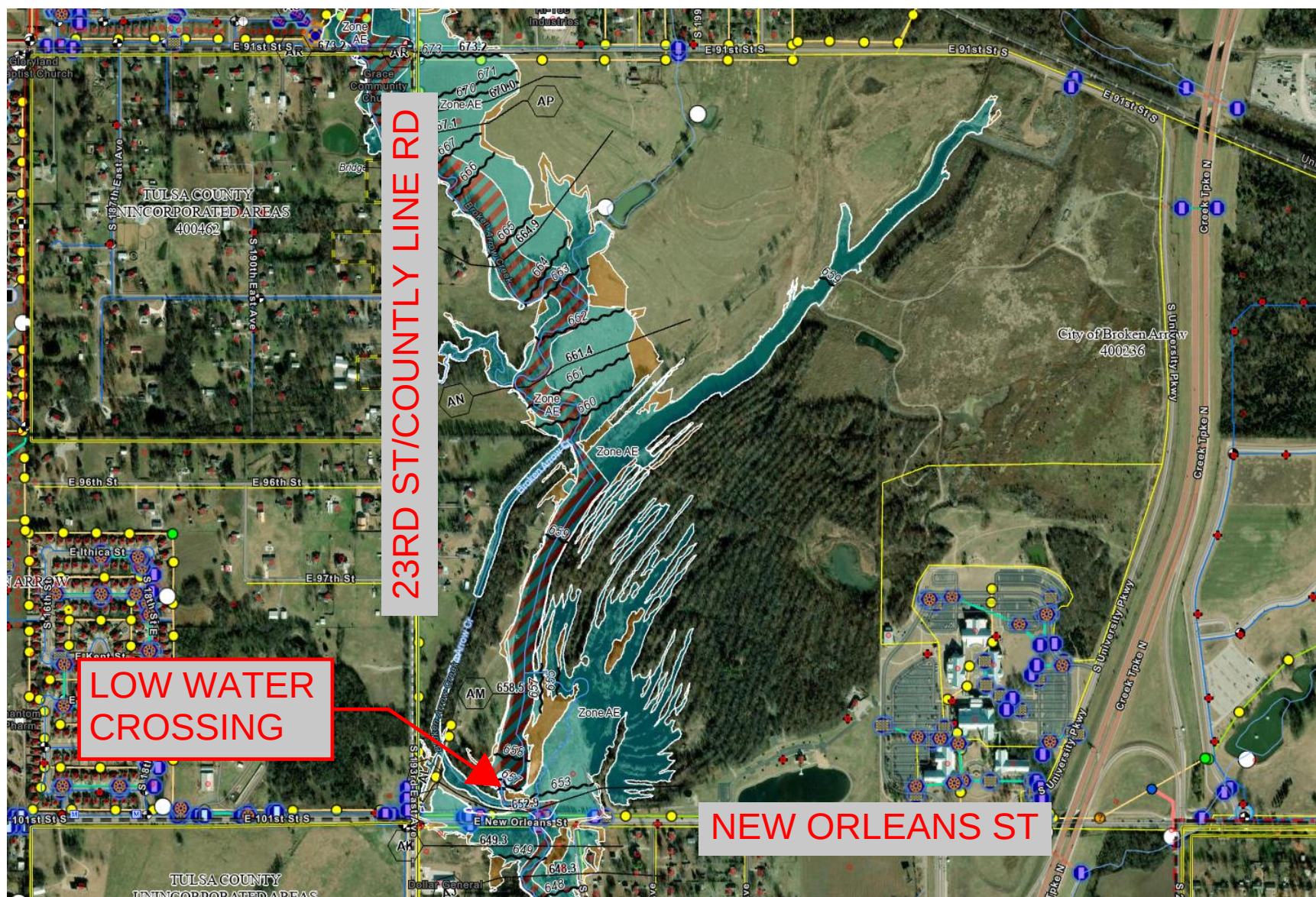
This map's utility information is for general purposes only. The City of Broken Arrow makes no warranties regarding its accuracy, completeness, or reliability. Use of this information is at risk.



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









PREVIOUS  
EROSION  
MITIGATION



PREVIOUS  
EROSION  
MITIGATION



PREVIOUS  
EROSION  
MITIGATION



