

City of Broken Arrow

Drainage Advisory Committee



PROJECT REPORT

DATE:	June 24, 2025
NAME	Tyler Yoak
ADDRESS / LOCATION	Indian Springs County Club
WATERSHED	Arkansas River (Elm Creek)
ESTIMATE	\$125,000
CASE NO.	25-015

DESCRIPTION

Indian Springs Country Club is experiencing erosion on the golf course where a 48-inch pipe daylighted out of the hillside between #8 and #6 fairway. The pipe collects water from the subdivision to the north. The pipe has broken apart in several places and is disconnected from the headwall. This appears to be causing downstream erosion along the hillside. Within the past 3 months, there has also been flooding in the neighborhood to the north, Indian Springs 2nd Addition. This subdivision connects to broken drain pipe, likely causing the stormwater to be impeded. The City spoke with the residents in the neighborhood, and it has been noted that the problem was worse than ever this past spring. There has been record rainfall the past several months. The downstream condition of the pipe could also be a contributing factor of the flooding in the Indian Springs neighborhood. Another possible contributing factor to the street flooding is there is one inlet on the south side of Fairway Dr. that collects approximately 5 acres from the subdivision. The water on the north side of Fairway Dr. ponds and eventually evaporates or drains to the inlet on the south side of Fairway Dr.

Staff is requesting \$125,000.00 for survey and construction funds. Design will be conducted in house.

Case No. 25-015

BENEFIT

Mitigate the erosion and street flooding in the Indian Springs 2nd Addition subdivision and on the Indian Springs Golf Course.

RECOMMENDATION

Approve the request for expenditure of \$125,000 for survey and construction funds for drainage improvements of the public storm system in the Indian Springs 2nd Addition neighborhood and along the Indian Springs Golf Course.

COMPLETED BY: Sarah Walters

DATE: 6/23/2025

Walters, Sarah

From: Wilson, Patrick
Sent: Monday, June 23, 2025 9:48 AM
To: Walters, Sarah
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

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From: BrokenArrowOK.gov webmaster <webmaster@brokenarrowok.gov>
Sent: Saturday, June 21, 2025 10:45 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 #: 4133909
IP Address: 172.59.124.132
Submission Date: 06/21/2025 10:44
Survey Time: 1 day, 3 minutes, 51 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

Tyler Yoak

Phone

(918) 630-4480

Email

tyoak@indianspringsclub.com

Owner Mailing Address

PO Box 3367
Broken Arrow, OK 74013

Address of Property with Drainage Problem

16006 E 131st St S
Broken Arrow, OK

Location of Drainage Issue on Property

Between the #8 and #6 fairways on the River course. Near where the unnamed south-running road spur comes off of Fairway Dr.

Description of Problem

48" drain pipe comes out of hillside between #8 and #6 fairways. This pipe almost entirely receives stormwater from the neighborhood to the north. As stormwater has increased, the load on the pipe caused it come off of its footing and disconnect from the weir. Because of this, stormwater does not follow the intended flow and has caused significant erosion to the hillside. With the significant rains we've had in the past 3 months, there has been flooding in the neighborhood to the north that uses this drain pipe, likely because drainage is impeded. After speaking with concerned residents whose properties flooded, they said it was worse than ever now. The BA Stormwater Project Manager visited the site and she agrees it's a dangerous situation. We put up a warning fence to keep people away from the gulch it has created but with the recent waters, the erosion has worsened, eating away more of the hill, causing our fence to collapse into the hole.

Please attach photos depicting the Drainage Issue

- [Erosion1.jpg](#)
- [Erosion2.jpg](#)
- [Erosion3.jpg](#)
- [Erosion4.jpg](#)

Thank you,
City of Broken Arrow

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

W. Jasper St. (E. 131st St. S.)

Street
Flooding

Broken Storm
Pipe



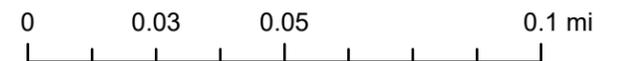
Stormwater Utility Map



6/24/2025 2:54 PM

<ul style="list-style-type: none"> Parcels BA_Contours_2017 Type <ul style="list-style-type: none"> 1 FT 5 FT Sections (PLSS) Address Points Detention Pond Culvert <ul style="list-style-type: none"> Unknown 	<ul style="list-style-type: none"> Pipe Culvert Pipe Arch Culvert Box Culvert Arch Culvert Bridge Culvert 	<ul style="list-style-type: none"> Open Channel <ul style="list-style-type: none"> Unknown Aquaduct Channel Spillway Channel Natural Channel Ditch Channel Roadside Gutter Linear Drain <ul style="list-style-type: none"> Unknown Trench Drain Slotted Drain Pipe <ul style="list-style-type: none"> Unknown 	<ul style="list-style-type: none"> Gravity <ul style="list-style-type: none"> Force Main Perforated BMP Inlet <ul style="list-style-type: none"> Unknown Apron Inlet Pipe Inlet Channel Inlet 	<ul style="list-style-type: none"> BMP Point <ul style="list-style-type: none"> Unknown Detention Dry Basin Treatment Wet Basin Bed Filter
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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.



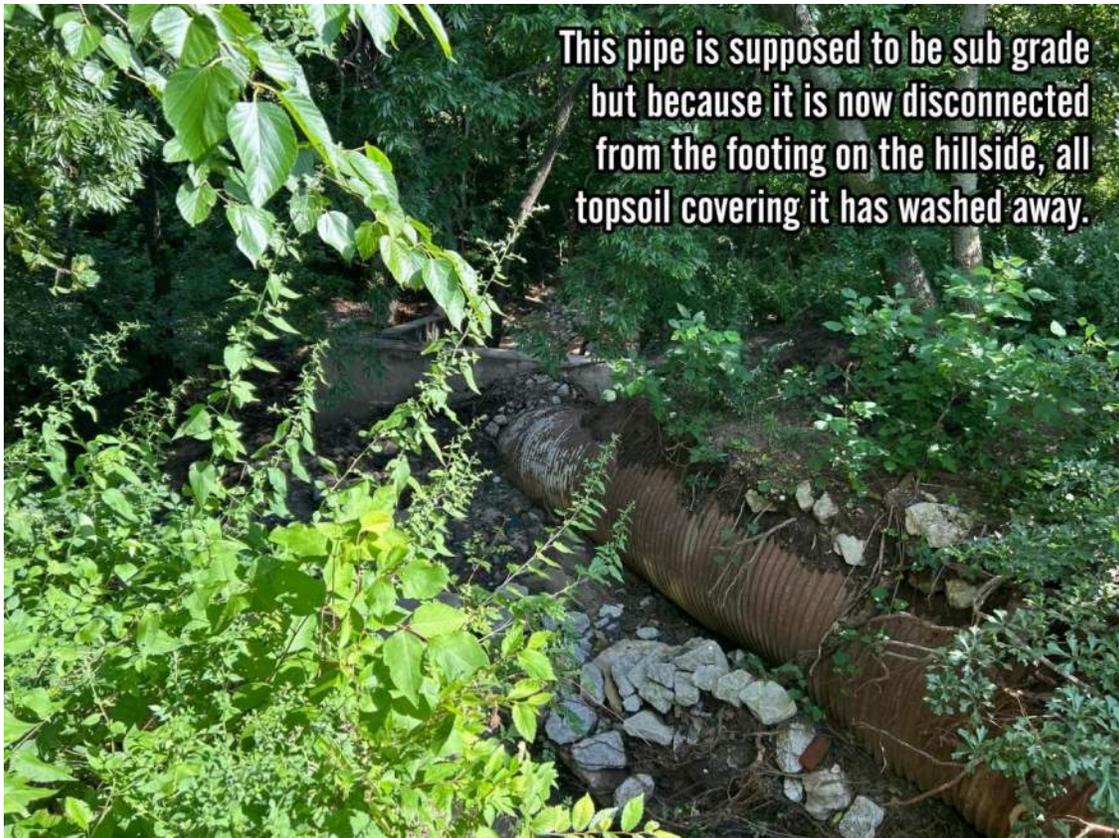
Maxar, Microsoft, Copyright nearmap 2015, City of Tulsa, US Census Bureau, INCOG, & unknown, Esri Community Maps Contributors, City of Tulsa, Texas Parks &



This is the area where the pipe is disconnected from the hillside footing. This is the source of the erosion. It is 15' - 20' below the #8 fairway.

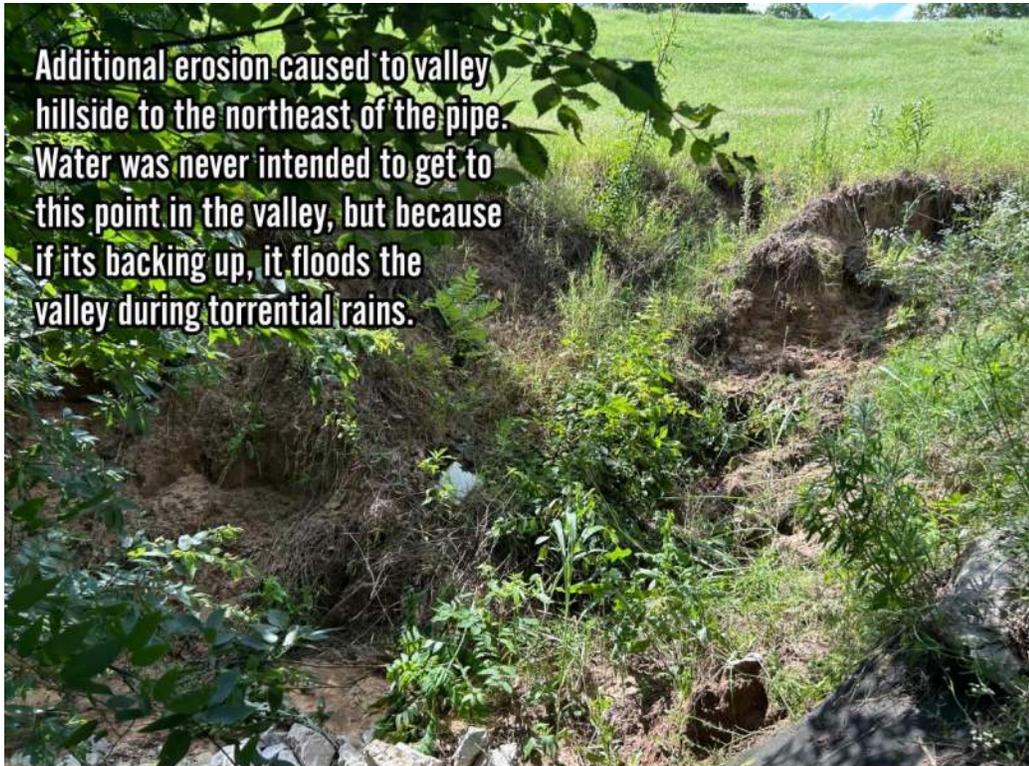


This pipe is supposed to be sub grade but because it is now disconnected from the footing on the hillside, all topsoil covering it has washed away.





**Additional erosion caused to valley
hillside to the northeast of the pipe.
Water was never intended to get to
this point in the valley, but because
if its backing up, it floods the
valley during torrential rains.**



Recent rains have caused erosion to accelerate. This Fence was installed over a year ago with ample room between it and the gulch below. But early in June the erosion advanced and the fence fell into the valley below. This not only shows the rapid erosion to the property, but presents a major safety concern as there is a fairway at the top of this hill.

