

City of Broken Arrow

Drainage Advisory Committee



PROJECT REPORT

DATE:	04/22/2026
NAME	Bob Henderson
ADDRESS / LOCATION	8011 E Galveston Pl.
WATERSHED	Adams Creek
ESTIMATE	\$ 50,000.00
CASE NO.	26-010

DESCRIPTION

Citizens north west of the intersection of Houston St and Midway Road contacted the City in November 2025 asking for help regarding pooling water in the backyards of himself and his neighbors. The citizens live in the Cottages at Forest Ridge platted in 2001. The concern was stated that water is standing in their backyards and starting to encroach to the houses. This area has several utilities in the area including City of Broken arrow water and Rural Water #4. Rural Water #4 and the City have both checked for leaks in the water line since this was reported during a dryer rainfall period. After extensive testing, both entities determined that the water lines are not leaking. During this same time, a new subdivision is under construction on the south east quadrant of the intersection. A new sanitary sewer line was installed diagonally to connect to the manhole behind the Cottages at Forest Ridge. Further investigation by City staff and the developer's engineers and contractor have determined the standing water is ground water. The ground water on the south east side the intersection started to use the new sanitary sewer as a conduit to travel to the manhole. The developer has placed a plug in the trench. This has mitigated some of the ground water.

Historical maps show a blue line flowing from the south east to the north west through the houses. This was rerouted to the Houston roadside ditch when the Cottages at Forrest Ridge was constructed. The applicant has also stated there has recently been ground water in the front of the houses. There is a possibility that the ground water is still traveling the old overland drainage path. Rural Water #4 has also stated they encounter high ground water table when working on their lines in this area.

Staff is recommending hiring an engineer to design a French drain system to be installed in City Right of Way to help alleviate the ground water flowing north west. Also, to use any remaining funds to go towards construction.

BENEFIT

The benefit is to reduce the standing water in the City's Right of Way and reduce the water on the sidewalks. This should help alleviate the water in the neighbors back yards as well as relieve any ground water pressure on the multiple underground utilities as well as easier maintenance of the area.

RECOMMENDATION

Staff is recommending hiring an engineer to design a French drain system to be installed in City Right of Way to help alleviate the ground water flowing north west. Also, to use any remaining funds to go towards construction.

COMPLETED BY: Patrick Wilson**DATE: 4/22/26**



Outlook

Fw: *NEW SUBMISSION* Drainage Advisory Committee Project Application

From Wilson, Patrick <PWilson@brokenarrowok.gov>

Date Thu 4/2/2026 4:20 PM

To Reed, David <DReed@brokenarrowok.gov>

Patrick Wilson, PE, CFM
Stormwater Division Manager
City of Broken Arrow

Sent via the Samsung Galaxy Note10, an AT&T 5G Evolution capable smartphone
Get [Outlook for Android](#)

From: BrokenArrowOK.gov webmaster <webmaster@brokenarrowok.gov>

Sent: Thursday, April 2, 2026 4:17:39 PM

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 #: 4738862

IP Address: 174.78.66.18

Submission Date: 04/02/2026 4:17

Survey Time: 19 minutes, 15 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

Robert Henderson

Phone

(918) 230-0205

Email

bhenderson@mattsco.com

Owner Mailing Address

8011 E GALVESTON PL
Broken Arrow, OK 74014

Address of Property with Drainage Problem

8011 E GALVESTON PL

Broken Arrow, OK

Location of Drainage Issue on Property

Backyard approx. 20 ft from home

Description of Problem

We live at the corner of 81st & Midway in BA and our backyard backs up to 81st. We've had standing water in our backyard since November 8, 2025 and remaining there through March (see attached pics). We've lived at this home since 2008 and have never had this issue before. The water began to pool on the other side of our east neighbors back fence and began pooling in his yard in Oct. last year and progressively moved into our yard on 11/8 and continued into two of our neighbors' yards to the west of us. I contacted the city stormwater dept and 3 people came and examined the area on 3/26. Mr. Renato Ochoa has been in contact with me over this issue. So far, no conclusion on the origin of the leak. We request the city of BA construct a system to re-route the water that is pooled on the other side of our fences away from our yards to solve this issue. I and my neighbor to the east of me Winston Boykin, would like to discuss this at the next board meeting April 27th. Thank you, Bob

Please attach photos depicting the Drainage Issue

[standing water 1.jpg](#)

[standing water 2.jpg](#)

[standing water 3.jpg](#)

[standing water 4.jpg](#)

Thank you,

City of Broken Arrow

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

Aerial Map

Legend

AREA OF
CONCERN

Midway RD

Houston

Google Earth

Image © 2025 Airbus

700 ft



Stormwater Utility Map



4/14/2026 4:38 PM

- Creeks

City Owned Detention Ponds

Private Detention Ponds

Fenceline

City Limits

Streams

SubDivisions

Parcels (INCOG)

Primary Frontal Dunes

1%

Annual Chance Flood Hazard

Regulatory Floodway

Special Floodway

Area of Undetermined Flood Hazard

0.2% Annual Chance Flood Hazard

Flood Hazard Boundaries

Line Type

Limit Lines

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 Structures

Structure Type

Flood Structure

Bridge

Dam, Other

Transect

Coastal

Levees

Base

Cross-Profile

Political

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.

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

topoView



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Leaflet © Mapbox © OpenStreetMap | Improve

E 81ST ST S

MIDWAY RD

LARIAT CIR

S-WINWOOD LN

Lat: 36° 2' 45" N Long: 95° 41' 6" W

DMS DD MGR UTM

Scale 1:4,514

Map Records: 25

Mostly cloudy, 71° near Broken Arrow, OK.



Planned Unit Development No. 66

The Cottages at Forest Ridge

An Addition to the City of Broken Arrow
Being a Subdivision of a part of the SE/4 of Section 10, T-18-N,
R-15-E, of the Indian Meridian, Wagoner County, State of Oklahoma

APPROVED 9-17-01 by the City
Council of the City of Broken Arrow,
Oklahoma
Mayor
Attest City Clerk

Curve Table

NO.	DELTA	RADIUS	ARC
C1	18.3822	150.00	44.29
C2	28.3332	300.00	154.56
C3	17.1534	500.00	150.76
C4	28.1022	250.00	51.16
C5	60.1746	425.00	120.00
C6	60.1746	425.00	120.00
C7	22.0513	150.00	35.88
C8	18.3822	150.00	44.29
C9	60.1746	425.00	120.00
C10	60.1746	425.00	120.00
C11	22.0513	150.00	35.88
C12	18.3822	150.00	44.29
C13	22.0513	150.00	35.88
C14	18.3822	150.00	44.29
C15	60.1746	425.00	120.00
C16	60.1746	425.00	120.00
C17	22.0513	150.00	35.88
C18	18.3822	150.00	44.29
C19	60.1746	425.00	120.00
C20	60.1746	425.00	120.00
C21	22.0513	150.00	35.88
C22	18.3822	150.00	44.29
C23	60.1746	425.00	120.00
C24	60.1746	425.00	120.00
C25	22.0513	150.00	35.88
C26	18.3822	150.00	44.29
C27	60.1746	425.00	120.00
C28	60.1746	425.00	120.00
C29	22.0513	150.00	35.88
C30	18.3822	150.00	44.29
C31	60.1746	425.00	120.00
C32	60.1746	425.00	120.00
C33	22.0513	150.00	35.88
C34	18.3822	150.00	44.29
C35	60.1746	425.00	120.00
C36	60.1746	425.00	120.00
C37	22.0513	150.00	35.88
C38	18.3822	150.00	44.29
C39	60.1746	425.00	120.00
C40	60.1746	425.00	120.00
C41	22.0513	150.00	35.88
C42	18.3822	150.00	44.29
C43	60.1746	425.00	120.00
C44	60.1746	425.00	120.00
C45	22.0513	150.00	35.88
C46	18.3822	150.00	44.29
C47	60.1746	425.00	120.00
C48	60.1746	425.00	120.00
C49	22.0513	150.00	35.88
C50	18.3822	150.00	44.29
C51	60.1746	425.00	120.00
C52	60.1746	425.00	120.00
C53	22.0513	150.00	35.88
C54	18.3822	150.00	44.29
C55	60.1746	425.00	120.00
C56	60.1746	425.00	120.00
C57	22.0513	150.00	35.88
C58	18.3822	150.00	44.29
C59	60.1746	425.00	120.00
C60	60.1746	425.00	120.00
C61	22.0513	150.00	35.88
C62	18.3822	150.00	44.29
C63	60.1746	425.00	120.00
C64	60.1746	425.00	120.00
C65	22.0513	150.00	35.88
C66	18.3822	150.00	44.29
C67	60.1746	425.00	120.00
C68	60.1746	425.00	120.00
C69	22.0513	150.00	35.88
C70	18.3822	150.00	44.29
C71	60.1746	425.00	120.00
C72	60.1746	425.00	120.00
C73	22.0513	150.00	35.88
C74	18.3822	150.00	44.29
C75	60.1746	425.00	120.00
C76	60.1746	425.00	120.00
C77	22.0513	150.00	35.88
C78	18.3822	150.00	44.29
C79	60.1746	425.00	120.00
C80	60.1746	425.00	120.00
C81	22.0513	150.00	35.88
C82	18.3822	150.00	44.29
C83	60.1746	425.00	120.00
C84	60.1746	425.00	120.00
C85	22.0513	150.00	35.88
C86	18.3822	150.00	44.29
C87	60.1746	425.00	120.00
C88	60.1746	425.00	120.00
C89	22.0513	150.00	35.88
C90	18.3822	150.00	44.29
C91	60.1746	425.00	120.00
C92	60.1746	425.00	120.00
C93	22.0513	150.00	35.88
C94	18.3822	150.00	44.29
C95	60.1746	425.00	120.00
C96	60.1746	425.00	120.00
C97	22.0513	150.00	35.88
C98	18.3822	150.00	44.29
C99	60.1746	425.00	120.00
C100	60.1746	425.00	120.00

Line Table

NUMBER	DIRECTION	DISTANCE
L1	N 89°18'00"E	26.29
L2	N 89°18'00"E	26.29
L3	N 89°18'00"E	26.29
L4	N 89°18'00"E	26.29
L5	N 89°18'00"E	26.29
L6	N 89°18'00"E	26.29
L7	N 89°18'00"E	26.29
L8	N 89°18'00"E	26.29
L9	N 89°18'00"E	26.29
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L48	N 89°18'00"E	26.29
L49	N 89°18'00"E	26.29
L50	N 89°18'00"E	26.29
L51	N 89°18'00"E	26.29
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L53	N 89°18'00"E	26.29
L54	N 89°18'00"E	26.29
L55	N 89°18'00"E	26.29
L56	N 89°18'00"E	26.29
L57	N 89°18'00"E	26.29
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L92	N 89°18'00"E	26.29
L93	N 89°18'00"E	26.29
L94	N 89°18'00"E	26.29
L95	N 89°18'00"E	26.29
L96	N 89°18'00"E	26.29
L97	N 89°18'00"E	26.29
L98	N 89°18'00"E	26.29
L99	N 89°18'00"E	26.29
L100	N 89°18'00"E	26.29

OWNER / DEVELOPER

The Robson Companies, Inc.
An Oklahoma corporation
901 North Forest Ridge Boulevard
Broken Arrow, OK 74014
918.357.2787

ENGINEER / SURVEYOR

Tulsa Engineering & Planning Associates, Inc.
An Oklahoma corporation
8209 East 63rd Place South
Tulsa, Oklahoma 74133
918.252.9621
CERTIFICATE OF AUTHORIZATION NO. 531
RENEWAL DATE: JUNE 30, 2003

LOCATION MAP

WAGONER COUNTY

R-15-E

Section 10

46 Lots-18, 2280 Acres

EAST KENOSHA STREET

UPPER 1/2

UPPER 1/2

UPPER 1/2

UPPER 1/2

UPPER 1/2

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Standing Water – Applicant's Backyard















Aerial Map

Legend

Midway RD

French Drains in area to alleviate ground water

Houston

Google Earth

Image © 2025 Airbus

700 ft

