

## 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

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**Fw: \*NEW SUBMISSION\* Drainage Advisory Committee Project Application**

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**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  
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**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**

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

Aerial Map

Legend

AREA OF CONCERN

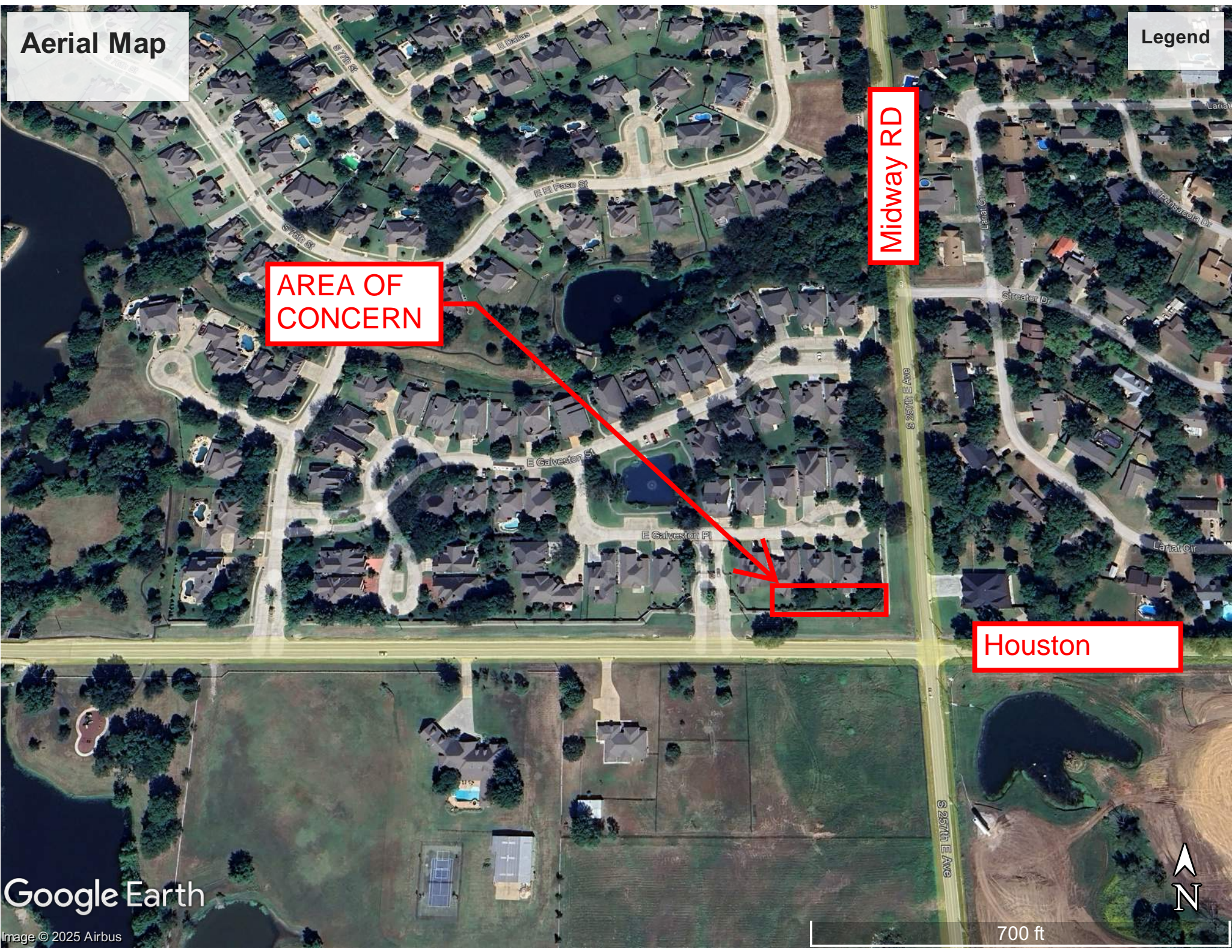
Midway RD

Houston

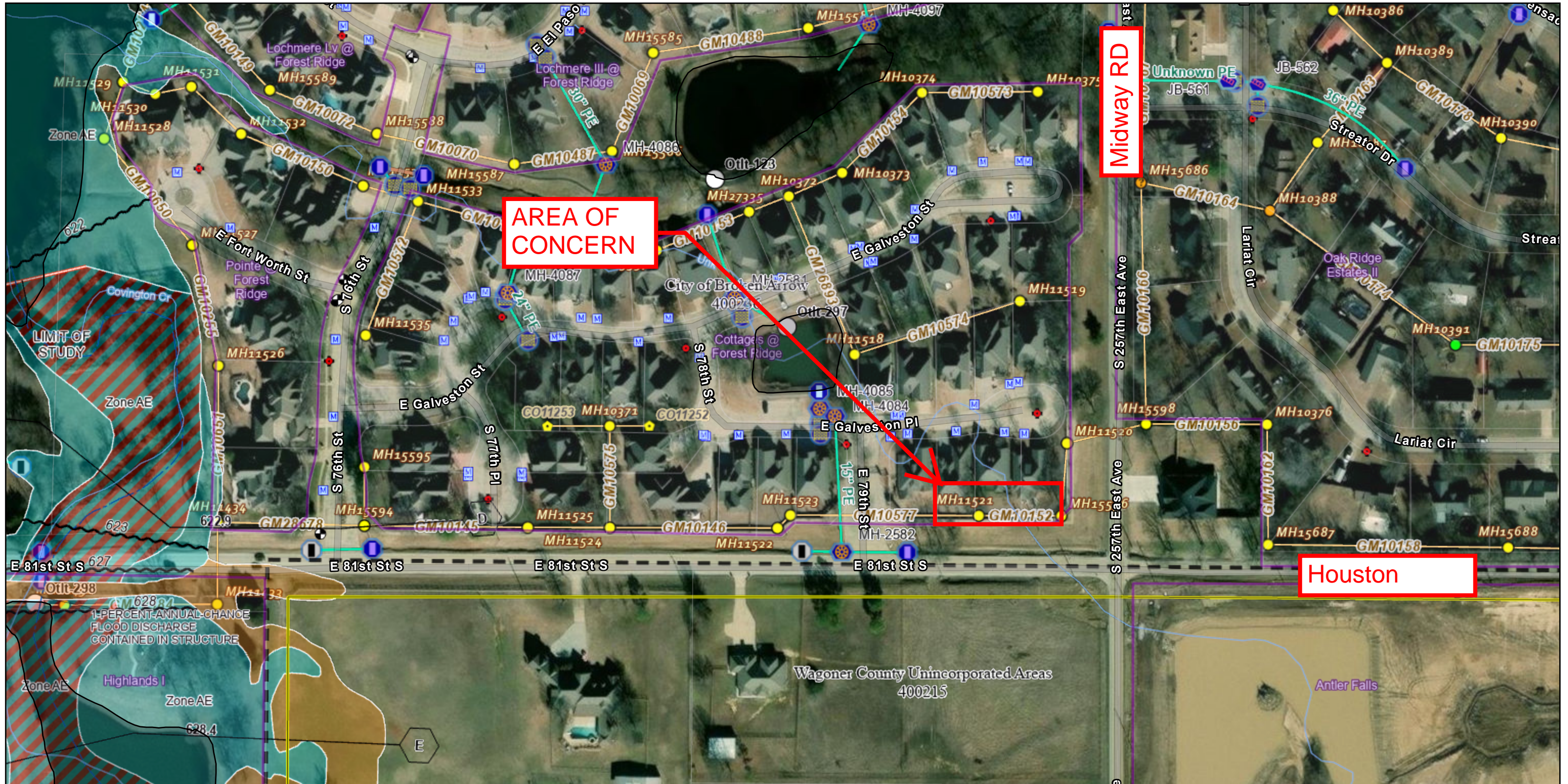
Google Earth

Image © 2025 Airbus

700 ft



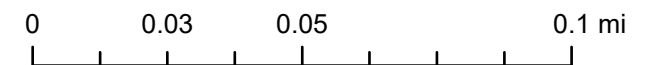
# Stormwater Utility Map



4/14/2026 4:38 PM

- |   |  |   |   |  |
|---|--|---|---|--|
| <ul style="list-style-type: none"> <li> Creeks</li> <li> City Owned Detention Ponds</li> <li> Private Detention Ponds</li> <li> Fenceline</li> <li> City Limits</li> <li> Streams</li> <li> SubDivisions</li> <li> Parcels (INCOG)</li> <li> Primary Frontal Dunes</li> </ul> | <p><b>Flood Hazard Zones</b></p> <p><b>Zone Type</b></p> <ul style="list-style-type: none"> <li> 1% Annual Chance Flood Hazard</li> <li> Regulatory Floodway</li> <li> Special Floodway</li> <li> Area of Undetermined Flood Hazard</li> <li> 0.2% Annual Chance Flood Hazard</li> </ul> | <ul style="list-style-type: none"> <li> Future Conditions 1% Annual Chance Flood Hazard</li> <li> Area with Reduced Risk Due to Levee</li> <li> Area with Risk Due to Levee</li> </ul> <p><b>Flood Hazard Boundaries</b></p> <p><b>Line Type</b></p> <ul style="list-style-type: none"> <li> Limit Lines</li> </ul> | <p>SFHA / Flood Zone Boundary</p> <ul style="list-style-type: none"> <li> Flowage Easement Boundary</li> <li> Limit of Moderate Wave Action</li> <li> River Mile Markers</li> </ul> <p><b>General Structures</b></p> <p><b>Structure Type</b></p> <ul style="list-style-type: none"> <li> Flood Structure</li> <li> Bridge</li> </ul> | <ul style="list-style-type: none"> <li> Dam, Other</li> <li> Transect</li> <li> Coastal</li> <li> Levees</li> <li> Base</li> <li> Cross-Profile</li> <li> Political</li> </ul> |
|---|--|---|---|--|

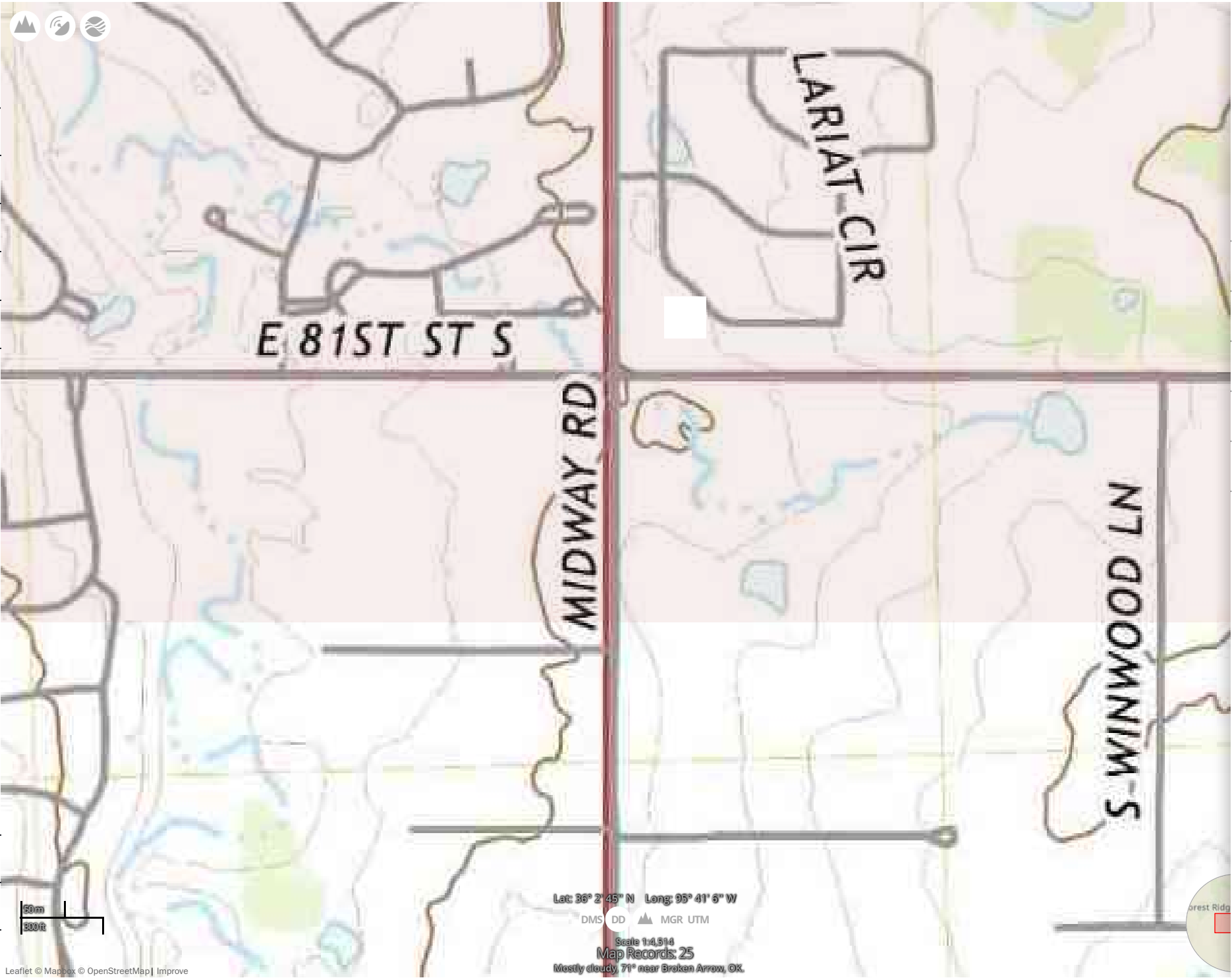
This map's utility information is for general purposes only. The City of Broken Arrow makes no warranties regarding its accuracy, completeness, or reliability. Use of this information is at risk.



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



topoView



Lat: 36° 2' 45" N Long: 95° 41' 6" W  
DMS DD MGR UTM  
Scale 1:4514  
Map Records: 25  
Mostly cloudy, 71° near Broken Arrow, OK.





# 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

