

# City of Broken Arrow

## Drainage Advisory Committee



## PROJECT REPORT

DATE:	5/17/22
NAME	Brian Morgan
ADDRESS / LOCATION	315 West Galveston Street
WATERSHED	Haikey Creek
ESTIMATE	\$51,000.00
CASE NO.	22-004

### DESCRIPTION

The proposed project is located in the Homestead Addition subdivision which was platted in 1924. The proposed project area is located between W Houston St and W Galveston St as well as between Cedar Ave and S Birch Ave, see attached location map.

A 36 inch corrugated metal pipe (CMP) was placed in the open ditch in the late 1970's to early 1980's by a previous home owner. Over time the CMP has started to fail and is clogging. The failure is seen through multiple holes forming around the pipe. The clogging of the pipe is restricting the flow and causing localized flooding around the houses upstream of the pipe. The localized flooding is impacting traffic and the roadway has overtopped according to residents.

In 2011 a study was performed in portions of Old Town Broken Arrow. The study states the stormwater runoff from approximately 19 Ac is 184 cfs. The study recommend replacing this storm sewer with a 3 ft. x 17 ft. reinforced concrete box (RCB). The existing downstream structure is a double 2 ft. x 3.5 ft. RCB. In order to accommodate increasing the storm sewer pipe to a 3 ft. x 17 ft. RCB the downstream structure would need to be increased as well. The downstream structure crosses Houston St.

Staff recommend replacing the failing 36 inch CMP with a plastic 36 inch pipe as a maintenance item. This will clear the pipe and allow the water to flow downstream greatly reducing the localized flooding.

### BENEFIT

The benefit of the proposed project is to reduce localized flooding and roadway overtopping.

### RECOMMENDATION

Recommend approval of \$51,000.00 for removal and replacement of the existing 36 inch pipe to reduce localized flooding and roadway overtopping.

**COMPLETED BY:**

**Patrick P. Wilson**

**DATE: 5/18/22**


## Drainage Advisory Committee Project Application

**Submission #:** 1638934  
**IP Address:** 107.77.200.116  
**Submission Date:** 05/04/2022 6:54  
**Survey Time:** 45 minutes, 43 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

Brian Morgan

### Phone

9189981361

### Email

[tsarstva@gmail.com](mailto:tsarstva@gmail.com)

### Owner Mailing Address

315 w Galveston

Broken Arrow, OK 74012

### Address of Property with Drainage Problem

315 W Galveston

Broken Arrow, OK

**Location of Drainage Issue on Property**

Along the western side of 315

**Description of Problem**

Corrugated pipe is deteriorating, obstructing flow of drain water. Because of this, the area floods. This includes but is not limited to the yards, driveways, crawl spaces and roads of our street (Galveston) We all love our street and area we live, but the drainage problem is a big problem every time we get a descent rain.

**Please attach photos depicting the Drainage Issue**

[AB97E6EF-0C4D-47FB-86FD-C5666C043084.jpeg](#)

[D9E53A7C-10B7-49D6-A3D9-457A0DFC8C3E.jpeg](#)

[D2AFB4FF-FCB4-49E2-80FD-01CBC82A19EA.jpeg](#)

[CC9DAC3D-E679-4013-A71D-729ABD6FF29E.jpeg](#)

[EA07F5F1-CCDF-4CA1-92FD-04B837270218.jpeg](#)

Thank you,  
**City of Broken Arrow**

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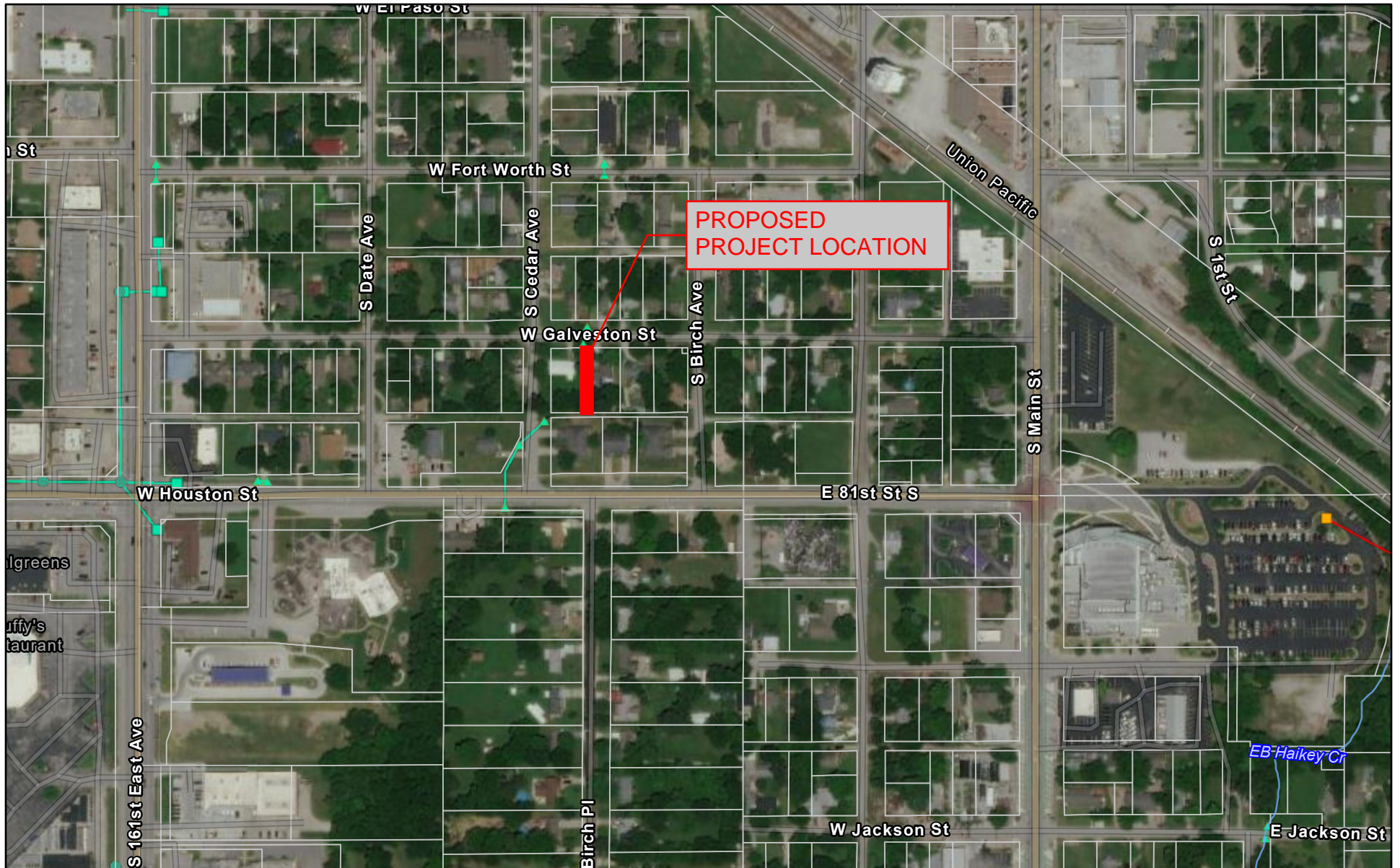






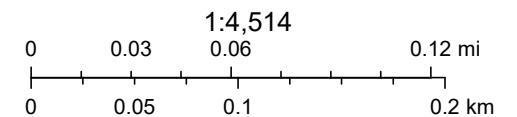


# Project Location



5/17/2022, 4:04:43 PM

- |         |                                       |                               |                             |
|---------|---------------------------------------|-------------------------------|-----------------------------|
| Parcels | Stormwater Structures (Private) Inlet | Stormwater Lines Broken Arrow | Stormwater Structures Inlet |
| Streams | Other                                 | State-Federal                 | Manhole                     |



Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community, City of Tulsa, US Census Bureau, INCOG, & unknown, Sources: Esri, HERE,

ArcGIS Web AppBuilder

Maxar, Microsoft | City of Broken Arrow | Tulsa County Assessor | City of Tulsa, US Census Bureau, INCOG, & unknown | Esri Community Maps Contributors, City of Tulsa, Texas Parks & Wildlife, © OpenStreetMap, Microsoft, Esri, HERE, Garmin, SafeGraph,

# HOMESTEAD ADDITION

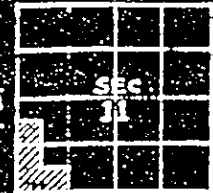
TO

## BROKEN ARROW, OKLA.

SE 1/4 SW 1/4 SW 1/4 } SEC. 11-18-14  
SW 1/4 NW 1/4 SW 1/4 }  
W 1/2 SW 1/4 SW 1/4 }



LOCATION MAP  
R 14 E



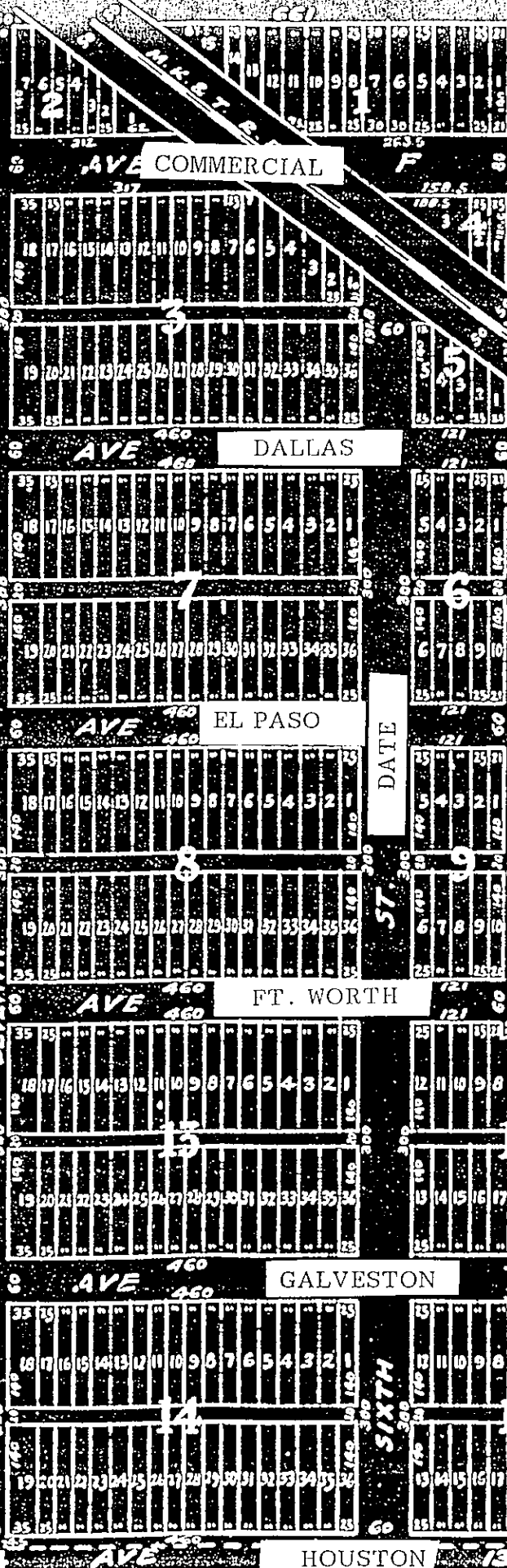
ELM PLACE

198-2-5

SEVENTH

SIXTH

154



DATE

ST.

SIXTH

1321

PLAT NOT FILED IN TULSA COUNTY

PHONE 6-2557 PLAT BOOK, CITY OF TULSA & VICINITY  
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PROPOSED PROJECT  
LOCATION

FIFTH CEDAR

ST.

FIFTH CEDAR

1321

FOUR BIRCH

ST.


FOUR BIRCH

1321







A photograph showing a culvert under a road. In the foreground, there is a grassy area with some weeds and a large tree trunk on the left. A metal pipe runs diagonally across the grass. In the background, a road with a stop sign and several cars is visible. A text box with red text is overlaid on the image.

DOWNSTREAM CULVERT  
UNDER S CEDAR AVE.