

# City of Broken Arrow

## Drainage Advisory Committee



## PROJECT REPORT

|                    |                                                      |
|--------------------|------------------------------------------------------|
| DATE:              | 04/11/2024                                           |
| NAME               | Nathanael Kohl, PE, CFM, Stormwater Project Engineer |
| ADDRESS / LOCATION | 3321 W Commercial St                                 |
| WATERSHED          | Haikey                                               |
| ESTIMATE           | \$30,000.00                                          |
| CASE NO.           | 24-005                                               |

### DESCRIPTION

A citizen contacted the City asking for help regarding the channel behind his house. The applicant stated that the water from the pipe and outlet flows across the back of his and the neighbors property causing costly erosion along the channel. The channel is eroding along the property line and causing the applicant a sum of money to try to combat.

In 2012, the City of Broken Arrow designed and constructed a project to extend a storm sewer from S Lewis Ave to the Creek behind 3321 W Commercial St. As a part of this project a new outfall was constructed on the pond to the south. The outfall was designed to release the water from pond at a rate equal to or less than the existing rate. An easement was not able to be acquired from the property owner to the west. Therefore, the outfall structure was moved 25 ft east and released in the channel behind 3321 W Commercial St.

The area is adjacent to a floodplain.

This project will be to design mitigation efforts from the erosion concerns of the 2012 project.

### BENEFIT

To redesign the outlet to lessen the erosion and stabilize the bank of the channel to Haikey Creek.

### RECOMMENDATION

Recommend approval and expenditure of \$30,000.00 design funds to be used to design a new outlet system for the pond.

**COMPLETED BY:** Nathanael Kohl

**DATE:** 04/11/2024

## Kohl, Nathanael

---

**From:** BrokenArrowOK.gov webmaster <webmaster@brokenarrowok.gov>  
**Sent:** Monday, March 18, 2024 6:15 PM  
**To:** Wilson, Patrick; Engineering & Stormwater  
**Subject:** \*NEW SUBMISSION\* Drainage Advisory Committee Project Application

Some people who received this message don't often get email from webmaster@brokenarrowok.gov. [Learn why this is important](#)

### Drainage Advisory Committee Project Application

**Submission #:** 3075039  
**IP Address:** 98.184.148.204  
**Submission Date:** 03/18/2024 6:14  
**Survey Time:** 36 minutes, 41 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

Jon & Sue GRIGSON

#### Phone

(918) 812-5908

#### Email

angua36@aol.com

#### Owner Mailing Address

3321 W Commercial Ct  
Broken Arrow, OK 74012

#### Address of Property with Drainage Problem

Broken Arrow Oklahoma 36.051639, -95.831259  
Broken Arrow, OK

#### Location of Drainage Issue on Property

My property "Creek" through to Land behind (No known address but P WILSON (City of BA) says he has it

#### Description of Problem

Severe erosion. 50 ft cut out. 15 ft deep / trees down etc, issues for 17 years, We have somehow maintained the creek at great expense (more than \$10000 over last 10, but behind us the erosion gets closer and enlarged made worse some years back when even more water was put through creek -Pond was also enlarged and we were told some 50acres of water would now drain through the creek, we have spent thousands of dollars trying to keep the erosion off our property and have multiple times had to rebuild our property line. The entire creek was dug deeper by BA about 10 years ago, and all the work they did quickly washed away (Rif Raf disappeared quickly, washed away. There is a sewer line that city raised another 12" when you dug out the creek, but all of this... can go underwater. Similar issues too at adjacent street drain with chronic erosion of the silt like soil. Spring rains are somewhat terrifying! Please just go through all the pictures or refer back to the many visits.

#### Please attach photos depicting the Drainage Issue

[IMG\\_6660.jpeg](#)

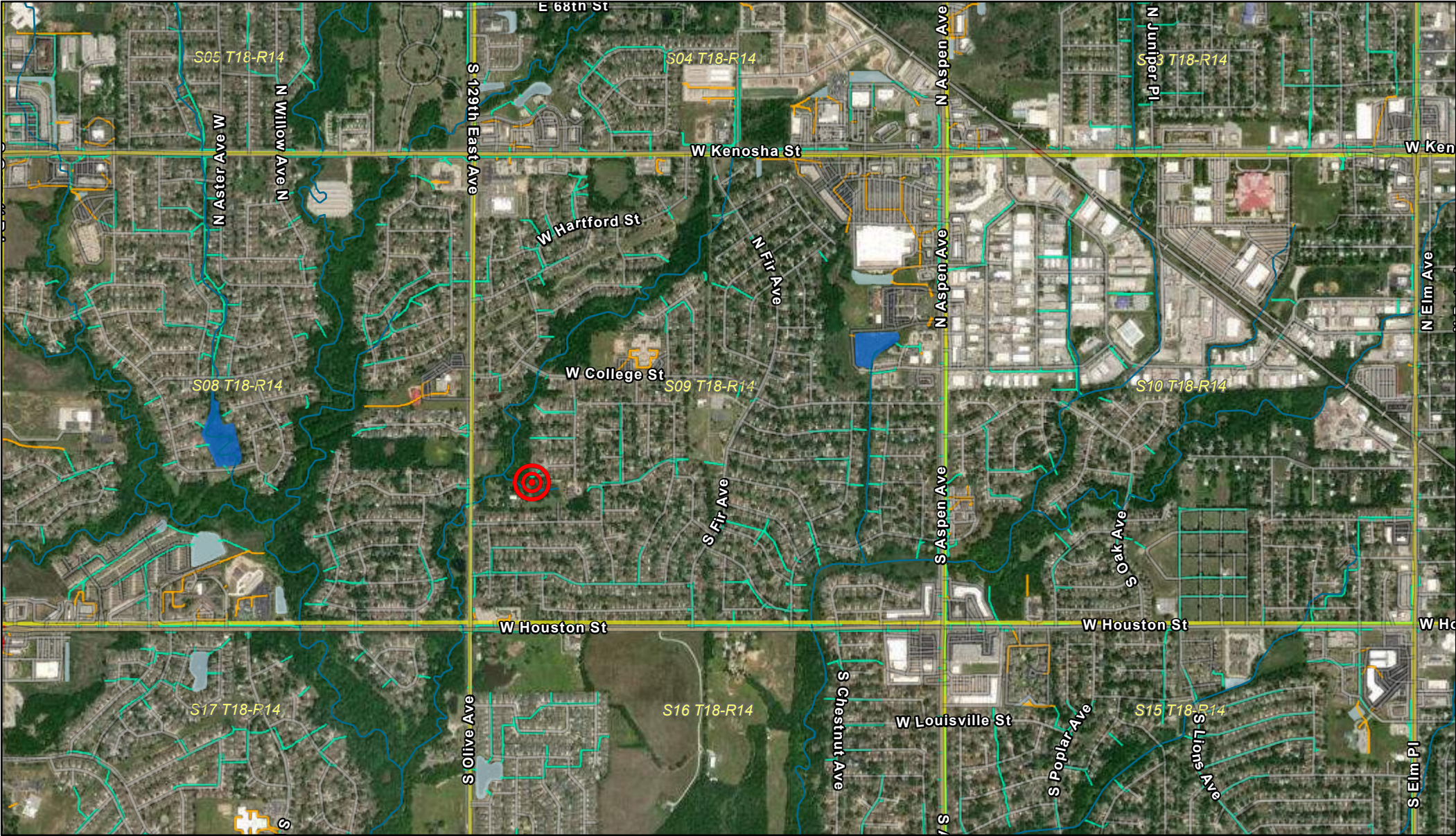
[IMG\\_6661.jpeg](#)  
[IMG\\_6655.jpeg](#)  
[IMG\\_1135.jpeg](#)  
[IMG\\_0083.jpeg](#)

Thank you,  
**City of Broken Arrow**

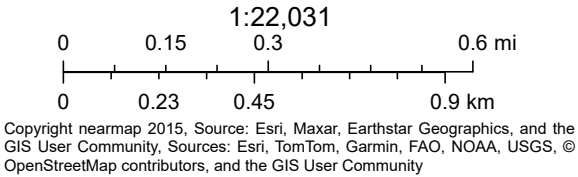
---

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

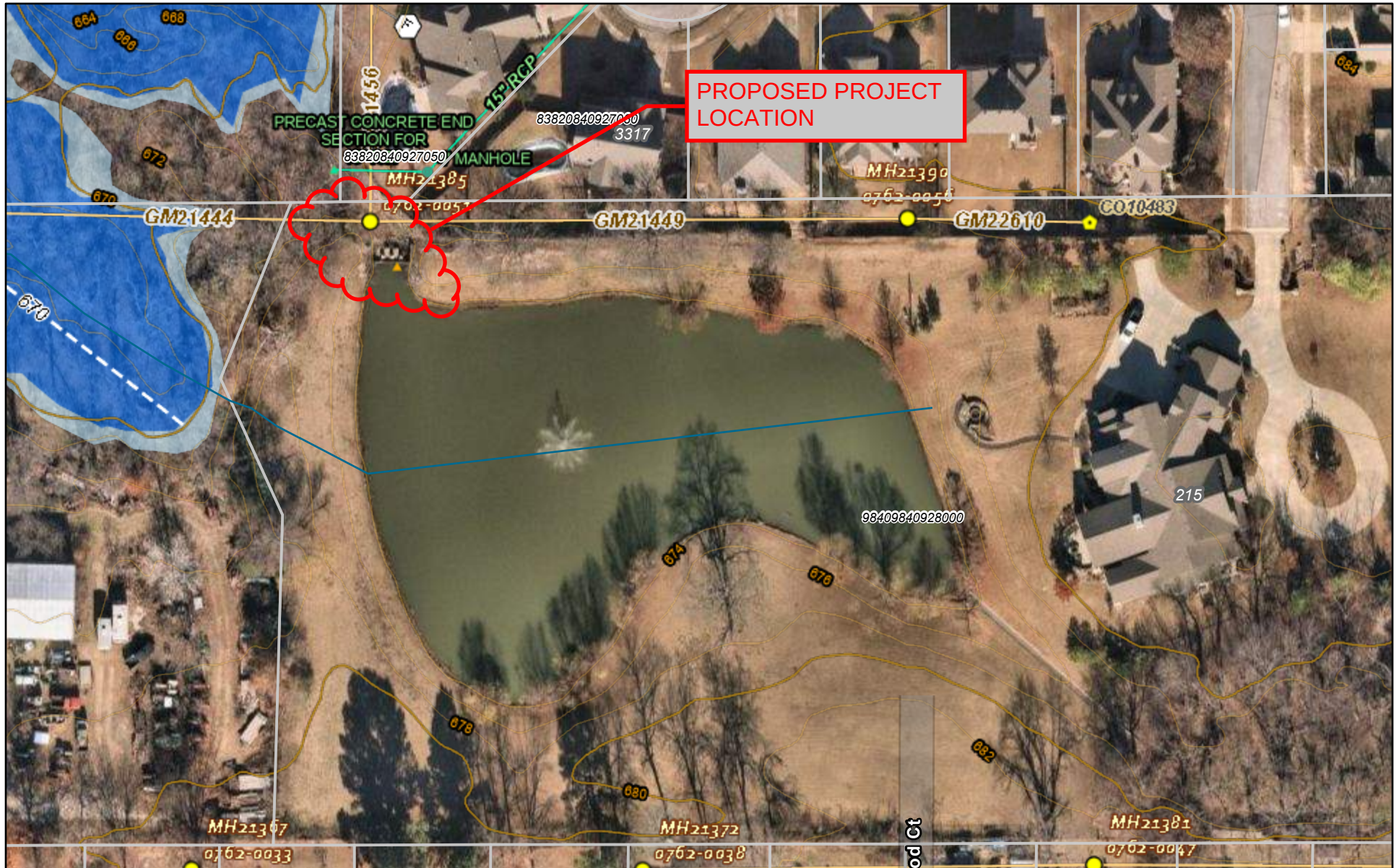
# Hyam Pond Outlet Location



4/16/2024, 11:13:31 AM

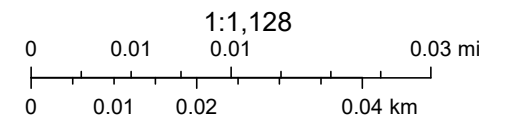


# Pond Outlet



4/23/2024, 3:11:04 PM

- |                                                                                                                      |                                                                                                                  |                                                                                                                                                  |                                                                                                          |                                                                                        |
|----------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>Parcels</li> <li>Sections (PLSS)</li> <li>Blue Line Streams (ODOT)</li> </ul> | <ul style="list-style-type: none"> <li>Address Points</li> <li>Stormwater Lines</li> <li>Broken Arrow</li> </ul> | <ul style="list-style-type: none"> <li>Stormwater Structures (Private)</li> <li>Other</li> <li>Stormwater Structures</li> <li>Manhole</li> </ul> | <ul style="list-style-type: none"> <li>Other</li> <li>GravityMain</li> <li>Polyvinyl Chloride</li> </ul> | <ul style="list-style-type: none"> <li>Manhole</li> <li>CleanOut</li> </ul>            |
|                                                                                                                      |                                                                                                                  |                                                                                                                                                  |                                                                                                          | <ul style="list-style-type: none"> <li>No Inspection</li> <li>No Inspection</li> </ul> |



Copyright nearmap 2015, Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community, Sources: Esri, TomTom, Garmin, FAO, NOAA,

City of Broken Arrow





