

PROJECT REPORT

DATE:	09/24/24
NAME	Patrick Wilson, PE, CFM, Stormwater Division Manager, City of Broken Arrow
ADDRESS / LOCATION	4110 S. Aspen Ave, Aspen Pond, Broken Arrow
WATERSHED	Aspen
ESTIMATE	\$100,000.00
CASE NO.	24-014

DESCRIPTION	
<p>Aspen Pond is a private pond located in South Broken Arrow along the west side of Aspen Road between New Orleans St and Florence Street. Most of the pond lies within unplatted property with a small portion of the pond lying within a few lots in the Canterbury Amended subdivision. There is an existing retaining wall within public right-of-way that was constructed by the City during the widening of Aspen that holds back the embankment of the private pond. The wall is leaking water and sediment onto the City sidewalk along Aspen Ave. and onto the street.</p> <p>Staff investigated the site and found that the slope behind the wall was highly saturated and has started sloughing off into the pond. An existing sheet pile wall is approximately 2 ft behind the retaining wall and installed at the same time as the wall. City staff believes the sheet pile wall could be damaged or corroded causing the leaking at the base of the retaining wall.</p> <p>The water and sediment on the sidewalk and road could create a slip hazard for the public, especially during winter months.</p> <p>City Staff has is requesting \$100,000 in 2024 Dollars for design funds to investigate the cause of the leaking and prepare a design to mitigate.</p>	
BENEFIT	
<p>Mitigating the leak should keep the sidewalk clear of water and sediment which could be a potential slip hazard and slick spot on the road.</p>	
RECOMMENDATION	
<p>Approval of the request to expend \$100,000 for investigation and design funds for the retaining wall.</p>	
COMPLETED BY:	Sarah Walters
DATE:	09/26/24

City of Broken Arrow

Drainage Advisory Committee



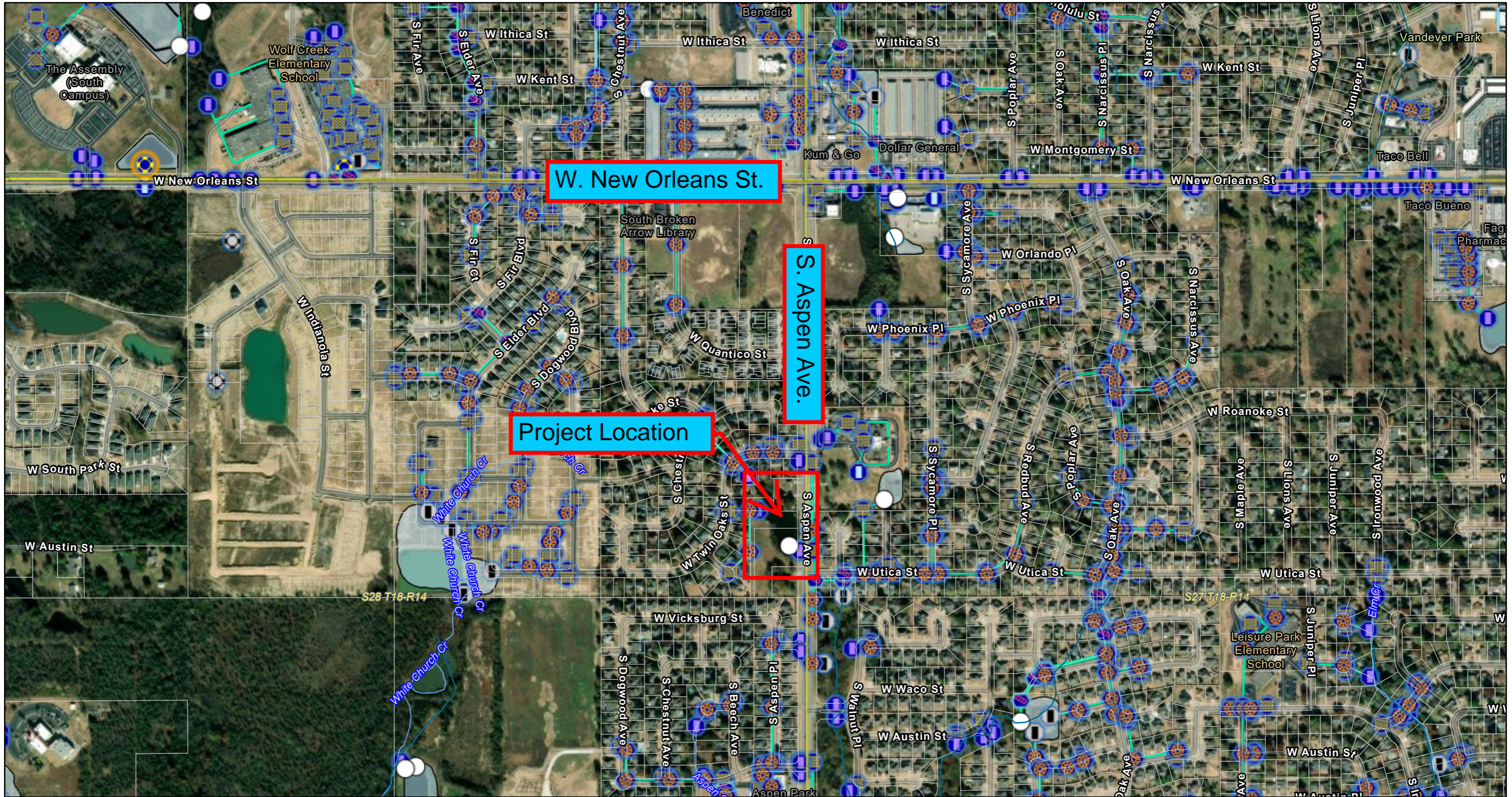
APPLICATION

DATE:	September 26, 2024
OWNER NAME:	Patrick Wilson
PHONE NUMBER:	918-259-7000
EMAIL ADDRESS:	PWilson@brokenarrowok.gov
OWNER MAILING ADDRESS:	485 N Poplar Ave, Broken Arrow, OK 74012
ADDRESS OF PROPERTY WITH DRAINAGE PROBLEM:	4110 S. Aspen Ave., Aspen Pond, Broken Arrow
LOCATION OF DRAINAGE ISSUE ON PROPERTY:	Retaining wall along Aspen Ave.

DESCRIPTION OF PROBLEM: (*PHOTOS SHOULD ACCOMPANY APPLICATION)	
Retaining wall holding back private pond is leaking and water/sediment is getting onto the sidewalk and into the street.	
SIGNATURE:	

RETURN TO STORMWATER DIVISION MANAGER'S OFFICE, PO BOX 610 Broken Arrow, OK 74013

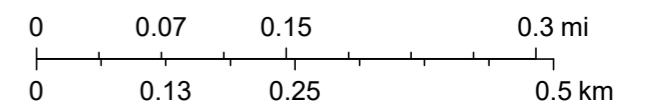
Location Map



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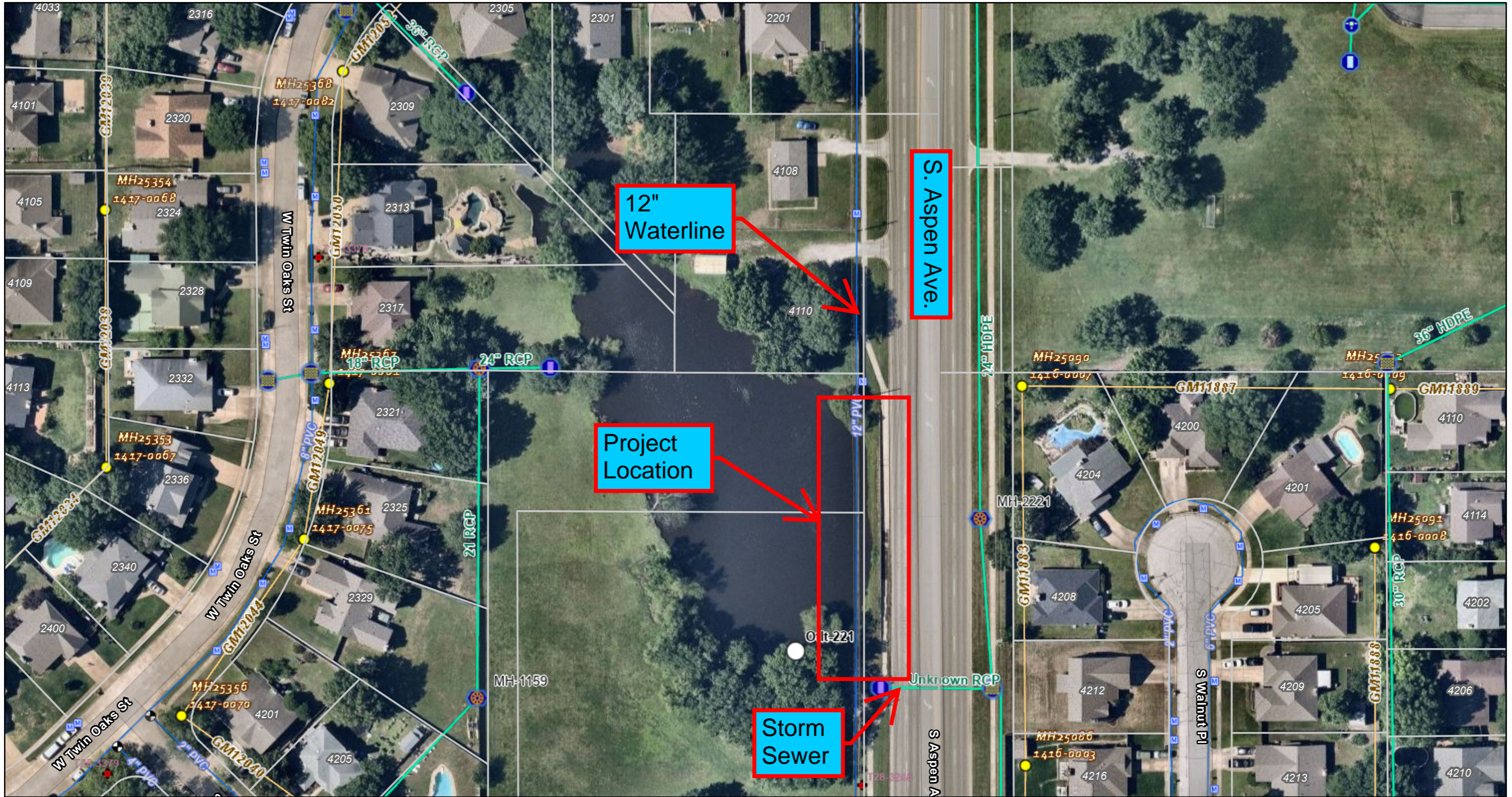
- | | | | | |
|--------------------------|------------------|------------------|----------|-----------------|
| Parcels | BMP Boundary | Spillway Channel | Wall | Junction Box |
| Sections (PLSS) | Culvert | Pipe | Unknown | Manhole |
| Blue Line Streams (ODOT) | Pipe Culvert | Gravity | Endwall | Manhole |
| FEMA Streams | Box Culvert | Catch Basin | Headwall | Riser (Outfall) |
| Address Points | Open Channel | Drop Inlet | Outlet | |
| | Aquaduct Channel | | | |



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City of Broken Arrow

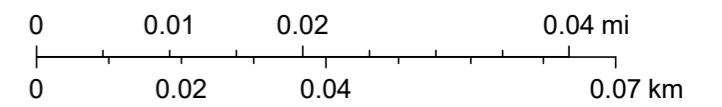
Stormwater Utility Map



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- | | | | | | |
|----------------|-------------|----------|--------------------|--------------------|---------------|
| Parcels | Catch Basin | Headwall | Manhole | Manhole | System Valves |
| Address Points | Drop Inlet | Fitting | Manhole | No Inspection | Gate |
| BMP Boundary | Wall | Tee | GravityMain | Mains | Hydrants |
| Pipe | Endwall | Outlet | Polyvinyl Chloride | Polyvinyl Chloride | |
| Gravity | Endwall | Outlet | Polyvinyl Chloride | Service Meters | |



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SLOUGHING EMBANKMENT AND EXPOSED SHEET PILE WALL



EXPOSED
SHEET PILE
WALL

