

PROJECT REPORT

DATE:	03/18/24
NAME	Patrick Wilson, PE, CFM, Stormwater Division Manager, City of Broken Arrow
ADDRESS / LOCATION	Preserve Park Detention Pond, Broken Arrow
WATERSHED	Adams
ESTIMATE	\$325,000.00
CASE NO.	24-008

DESCRIPTION

The Preserve Park (37th St) Detention Pond is located in Northeast Broken Arrow. The path and the north bank have eroded.

Staff investigated the site and found that the walking path was eroding due to a substantial amount of sheet flow over the path. The flow had also eroded the bank of the pond causing very large gullies to form in the bank. The asphalt path is also eroding and falling into an approximate 3-foot hole. The staff also found that an offsite berm holding water adjacent to the pond has been cut and the flow is eroding the path at that location. On the northwest side of the pond, water builds up and flows over the path and has severely eroded the shore and is starting to erode the asphalt path.

City Staff has designed plans to mitigate and repair these concerns.

The estimated construction cost to install an interceptor ditch, inlets, storm sewer pipes, repair the shore, repair the asphalt path, and other mitigation items is approximately \$325,000.00 in 2024 Dollars.

BENEFIT

Repair the walking path at a public park and stabilize the path and the shore to allow the path to be used for years to come.

RECOMMENDATION

Approval of the request for the expenditure of \$325,000 for construction of the designed repairs and mitigation.

COMPLETED BY: Patrick P. Wilson

DATE: 03/18/24

City of Broken Arrow

Drainage Advisory Committee



APPLICATION

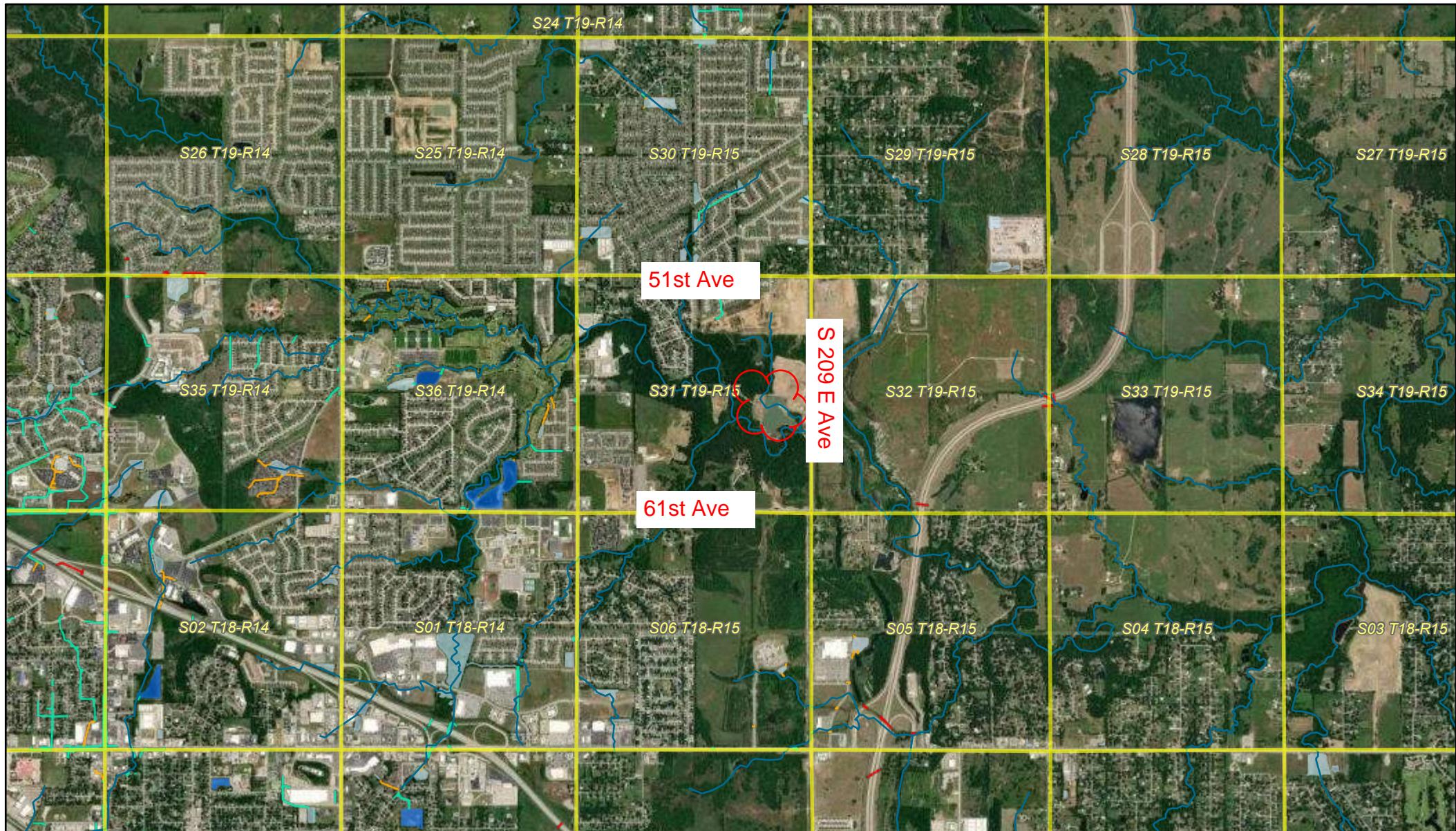
DATE:	
OWNER NAME:	
PHONE NUMBER:	
EMAIL ADDRESS:	
OWNER MAILING ADDRESS:	
ADDRESS OF PROPERTY WITH DRAINAGE PROBLEM:	
LOCATION OF DRAINAGE ISSUE ON PROPERTY:	

DESCRIPTION OF PROBLEM: (*PHOTOS SHOULD ACCOMPANY APPLICATION)

Signature: [Stormwater Engineering Division](#)

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

Stormwater Utility Map



10/17/2023, 3:20:05 PM

Sections (PLSS)

— Blue Line Streams (ODOT) Stormwater Lines

Dentention Ponds

NO

YES

YES

Stormwater Lines

— Broken Arrow — State-Federal — Private

— State-Federal — State-Federal — State-Federal

State-Federal — State-Federal — Private

— State P

State-F

eral — State-P

— Private

Private

General — Private

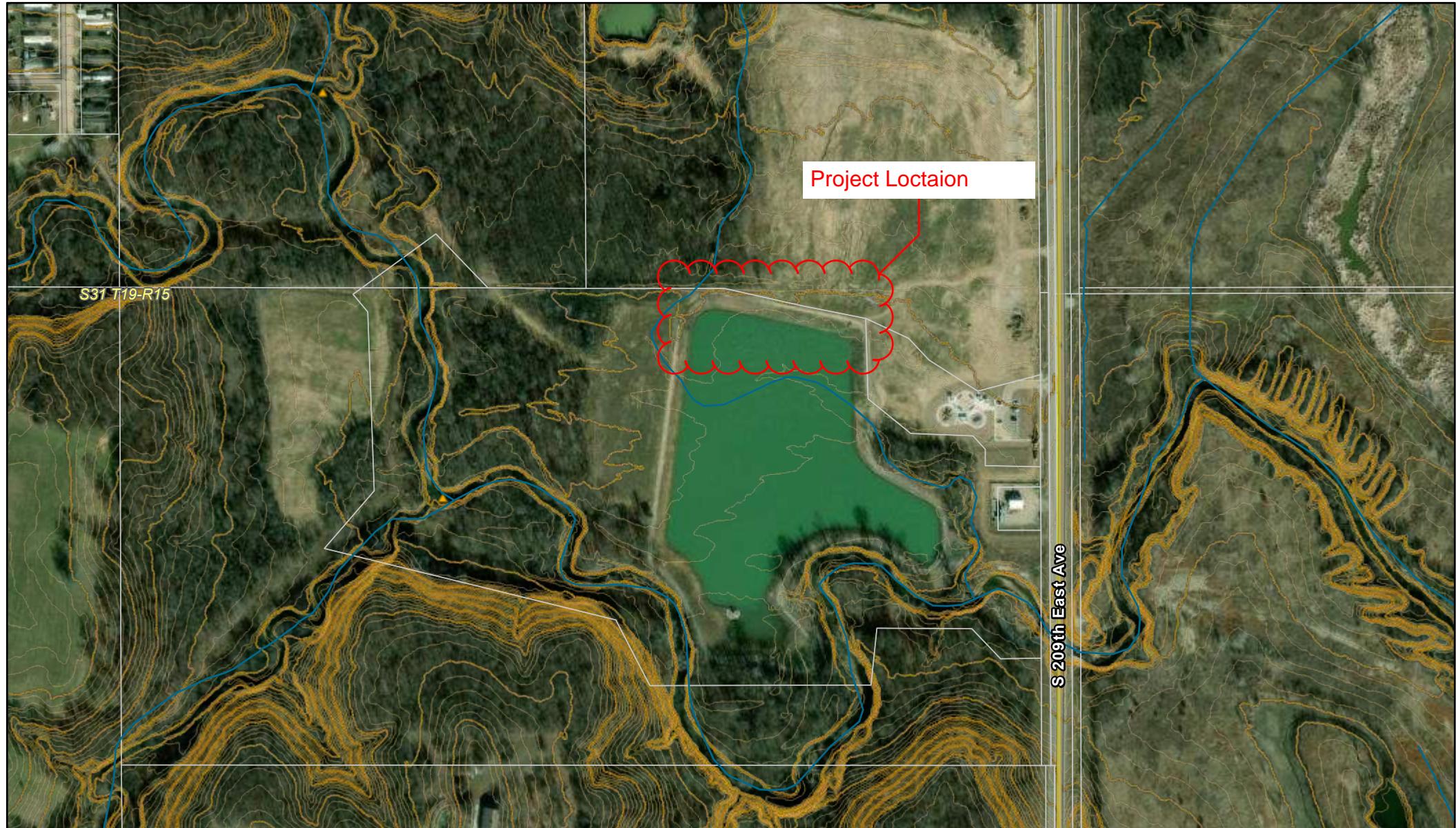
1:44,062

A number line representing distance. The top part of the line has tick marks every 0.1 mi, with labels 0, 0.3, 0.6, 1, and 1.2 mi. The bottom part of the line has tick marks every 0.5 km, with labels 0, 0.5, 1, and 2 km. The two lines are aligned at the 0 and 1 labels.

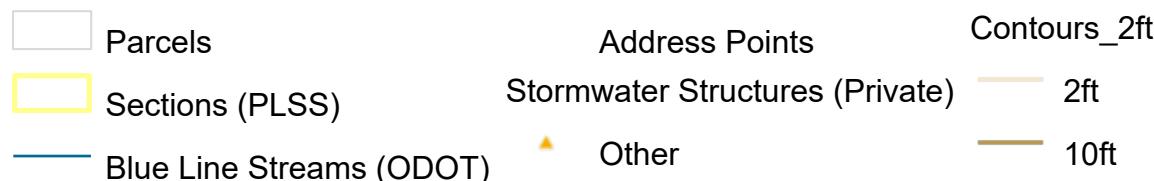
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City of Broken Arrow

Stormwater Utility Map



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