

## PROJECT REPORT

DATE:	July 10, 2024
NAME	Patrick Wilson
ADDRESS / LOCATION	S. 8 <sup>th</sup> St. & E. Natchez St.
WATERSHED	Spunky Creek
ESTIMATE	\$250,000.00
CASE NO.	24-012

### DESCRIPTION

The Indian Springs Manor subdivision was platted in Tulsa County in 1980 and the area was annexed by Broken Arrow in 1971. Stormwater runoff is conveyed from the subdivision into a channel flowing through the Indian Springs Golf Course towards Broken Arrow Creek. The channel currently crosses S 8<sup>th</sup> St. near E. Natchez St. The existing structure is a triple barrel elliptical CPM culvert and deteriorating to the point of failure and eroding the City's roadway. Erosion has extended about 8' beneath the roadway.

There is a waterline under the culvert on the west side. There is a sanitary sewer line under the culvert on the east side.

Stormwater runoff from approximately 30 acres of the Indian Springs Manor and adjacent subdivisions drains to this drainage system. The 30 acres generates about 320 cfs of flow.

This project is currently in design and at approximately 90% complete. The existing utilities are being considered in the design. Project Number SW21020

Staff is requesting \$250,000.00 in construction funds.

The current construction cost estimate is approximately \$750,000. The remaining \$500,000.00 will be from other funding sources.

### BENEFIT

Replace existing culverts and install adjacent drainage improvements to mitigate existing hazards and mitigate future failure of the City's roadway.

### RECOMMENDATION

Staff recommends approval of \$250,000 for culvert replacement and drainage improvements at S. 8<sup>th</sup> St. and E. Natchez St.

**COMPLETED BY:** Chuck Collins

**DATE:** 7/10/2024

# City of Broken Arrow

## Drainage Advisory Committee



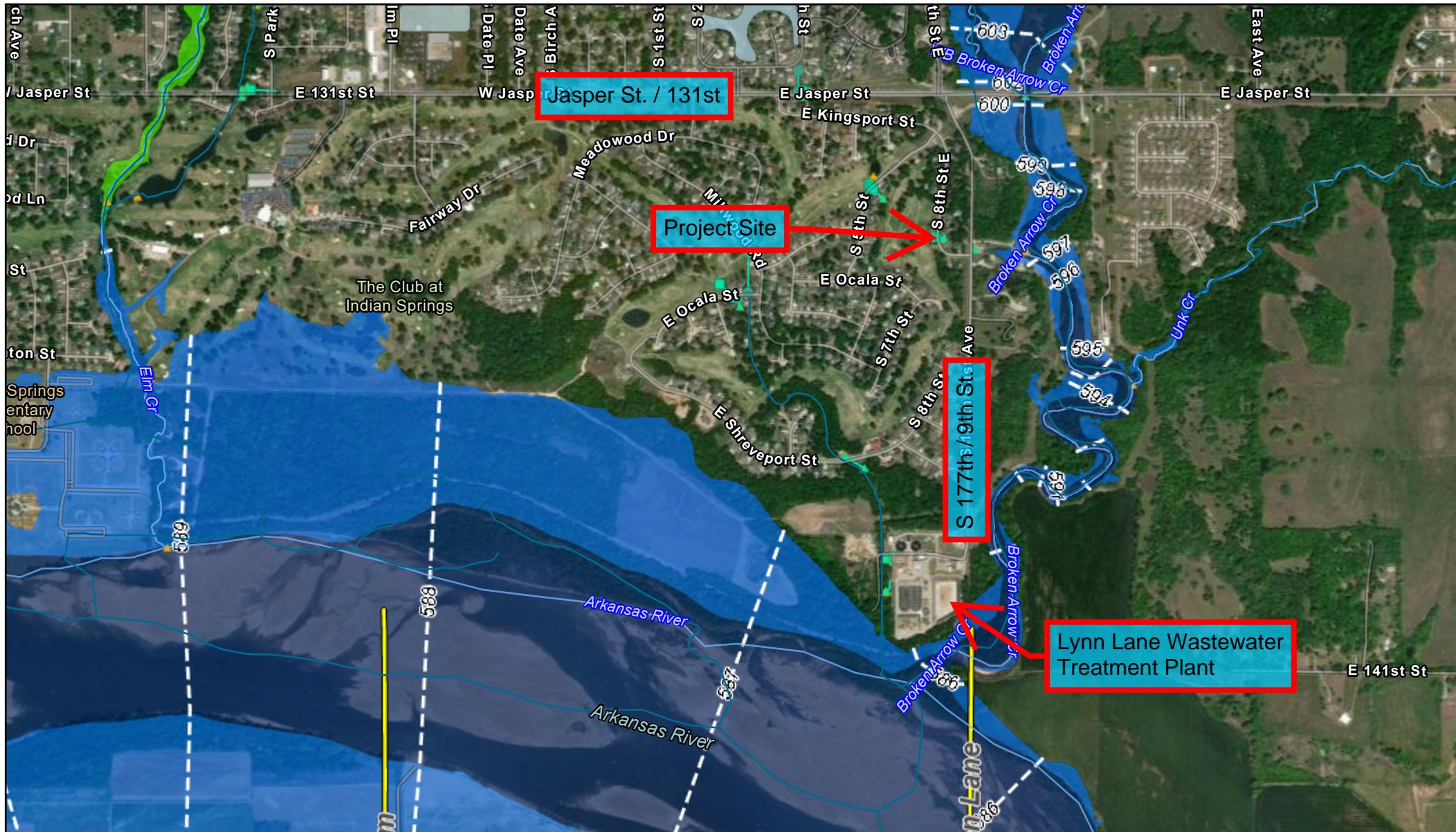
## APPLICATION

DATE:	July 10, 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:	8 <sup>th</sup> Street and Natchez Street
LOCATION OF DRAINAGE ISSUE ON PROPERTY:	Culvert crossing under 8 <sup>th</sup> Street

<b>DESCRIPTION OF PROBLEM:</b> (*PHOTOS SHOULD ACCOMPANY APPLICATION)	
Culverts crossing under 8 <sup>th</sup> Street are failing and the roadbed has eroded out approximately 8' x 8' beneath the pavement.	
<b>SIGNATURE:</b>	
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RETURN TO STORMWATER DIVISION MANAGER'S OFFICE, PO BOX 610 Broken Arrow, OK 74013

## Location Map



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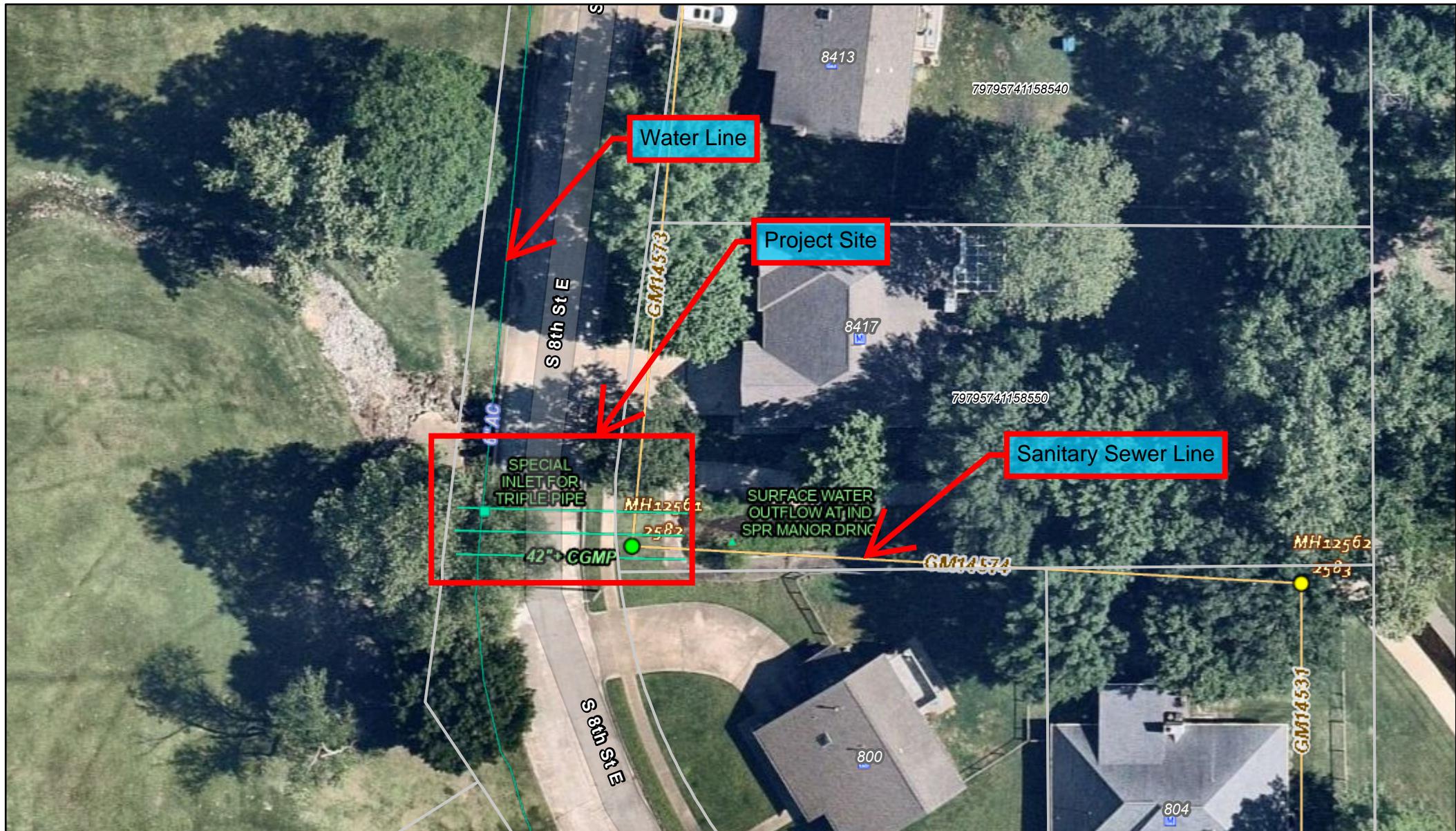
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Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community, City of Tulsa, US Census Bureau, INCOG, & unknown

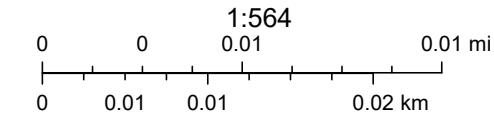
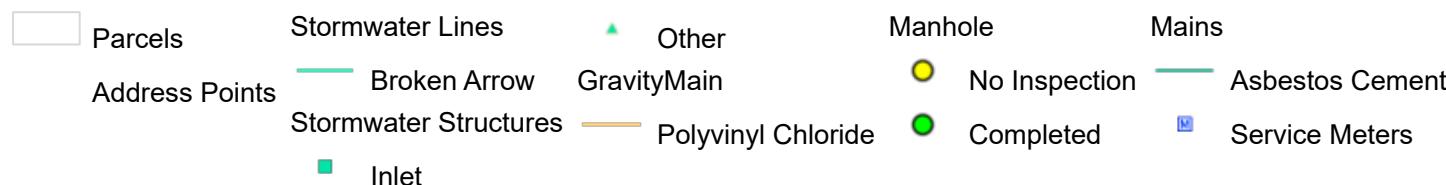
## City of Broken Arrow

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# Stormwater Utility Map



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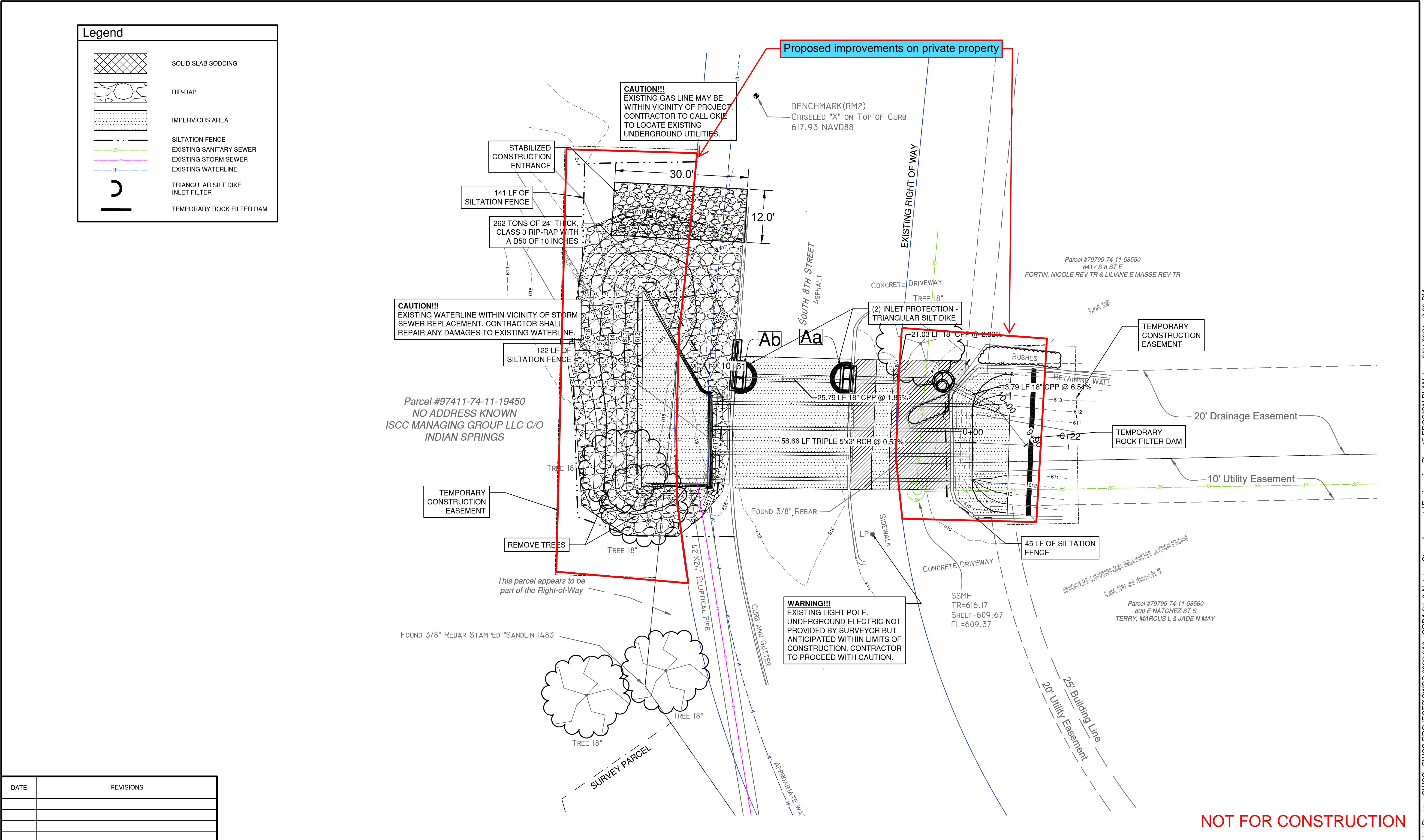
City of Broken Arrow







Legend	
	SOLID SLAB SODDING
	RIP-RAP
	IMPERVIOUS AREA
	SILTATION FENCE
	EXISTING SANITARY SEWER
	EXISTING STORM SEWER
	EXISTING WATERLINE
	TRIANGULAR SILT DIKE INLET FILTER
	TEMPORARY ROCK FILTER DAM



NOT FOR CONSTRUCTION