

# City of Broken Arrow

Drainage Advisory Committee



## PROJECT REPORT

DATE:	8/14/23
NAME	Patrick Wilson, PE, CFM, Stormwater Division Manager, City of Broken Arrow
ADDRESS / LOCATION	1904 S 9 <sup>th</sup> St E, Broken Arrow, OK 74012
WATERSHED	Broken Arrow Creek
ESTIMATE	\$40,000.00
CASE NO.	23-005

DESCRIPTION	
<p>The property south of E Washington St and west of S 177<sup>th</sup> East St is poorly graded and causing water to infiltrate into the neighbors' properties to the west.</p> <p>Staff investigated the site and found that the grade of the property funnels water into the properties to the west. The City staff found that grading a swale could mitigate the flow of water to the neighbors' properties and funneling the water to the drainage ditch along E Washington St.</p> <p>The estimated construction cost to install a swale to Washington St is approximately \$40,000.00 in 2024 Dollars.</p> <p>This is a continuation of the project report from 17 October 2022 Case number 22-006 that met the DAC on 24 October 2022. The original construction cost estimate was \$50,000.</p>	
BENEFIT	
<p>The public benefit is to direct the flow away from the houses to prevent water from entering the houses and to assist with the future drainage design of Washington St.</p>	
RECOMMENDATION	
<p>Staff Recommends approval of \$40,000.00 for grading a swale to assist in the development of mitigation efforts.</p>	
<b>COMPLETED BY:</b>	<b>Patrick P. Wilson</b>
<b>DATE:</b>	<b>8/18/23</b>

# City of Broken Arrow

## Drainage Advisory Committee



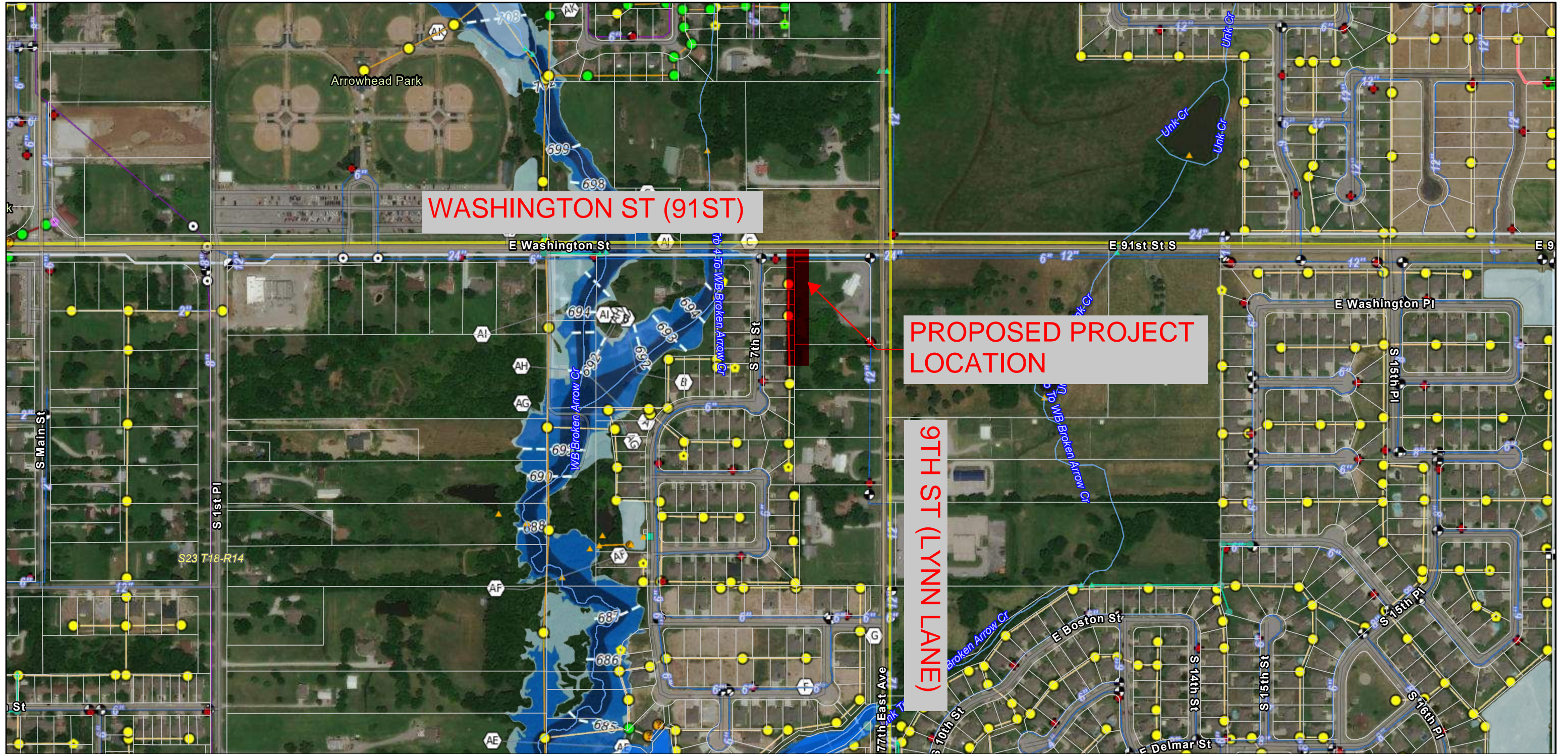
### APPLICATION

DATE:		August 14, 2023
OWNER NAME:		City of Broken Arrow
PHONE NUMBER:		
EMAIL ADDRESS:		
OWNER MAILING ADDRESS:		
ADDRESS OF PROPERTY WITH DRAINAGE PROBLEM:		1904 S 9 <sup>th</sup> St E, Broken Arrow, OK 74012
LOCATION OF DRAINAGE ISSUE ON PROPERTY:		West End of above address

DESCRIPTION OF PROBLEM: (*PHOTOS SHOULD ACCOMPANY APPLICATION)	
<p>The property south of E Washington St and west of S 177<sup>th</sup> East St is poorly graded and causing water in infiltrate into the neighbors' properties to the west.</p> <p>Staff investigated the site and found that the grade of the property funnels water into the properties to the west. The City staff found that grading a swale could mitigate the flow of water to the neighbors' properties and funneling the water to the drainage ditch along E Washington St.</p>	
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<b>SIGNATURE:</b>	

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

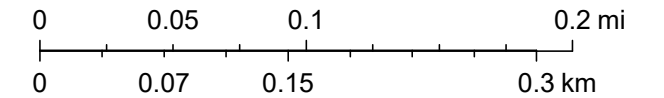
# CASE NO 22-006 AERIAL MAP



10/18/2022, 9:25:22 AM

1:5,642

Parcels	Stormwater Lines	Stormwater Structures	Unknown	Unknown	Non-BA Pipes	ssPressurizedMain
Sections (PLSS)	Broken Arrow	Inlet	Pre-Stressed Concrete Cylinder	wHydrant Valves	ssNetworkStructure	ssCleanOut
Streams	Private	Manhole	wLaterals	wHydrants	Lift Station	No Inspection
Address Points	Stormwater Structures (Private)	Other	wControl Valves	ssGravityMain	ssManhole	Insp. Completed
Detention Ponds	Manhole	wMains	wSystem Valves	Polyvinyl Chloride	No Inspection	Maint. Pending
NO	Other	Cast Iron	Butterfly	Vitrified Clay	Completed	0.2% Annual Chance Floodplain
YES		Polyvinyl Chloride	Gate	Ductile Iron	Maintenance Pending	0.2% Annual Chance

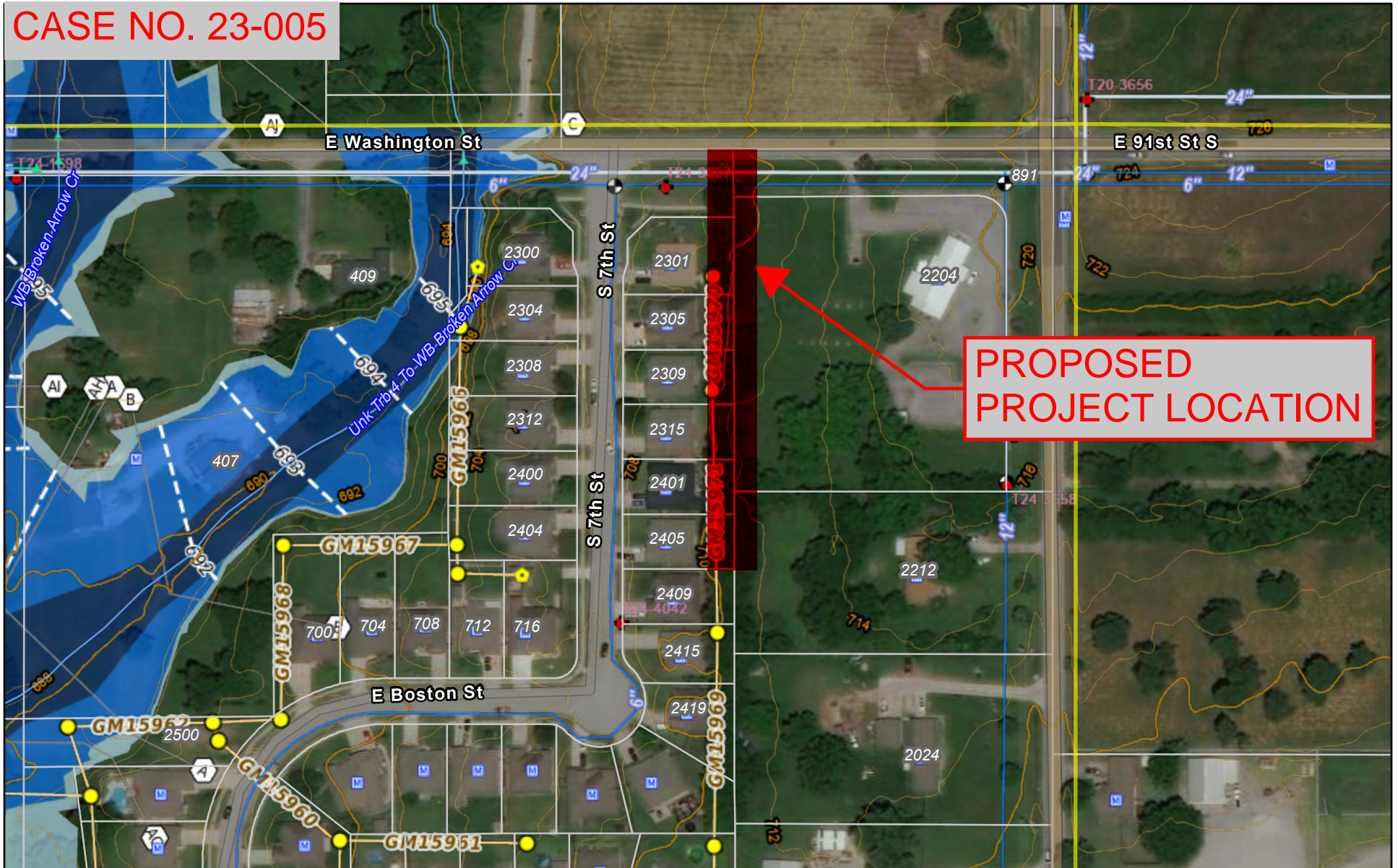


Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community, City of Tulsa, US Census Bureau, INCOG, & unknown, Sources: Esri, HERE, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community, City of Broken Arrow Geospatial Services Division

ArcGIS Web AppBuilder

# Aerial

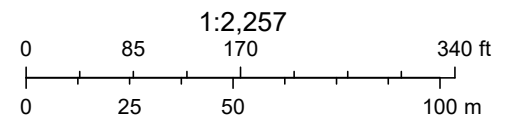
**CASE NO. 23-005**



**PROPOSED  
PROJECT LOCATION**

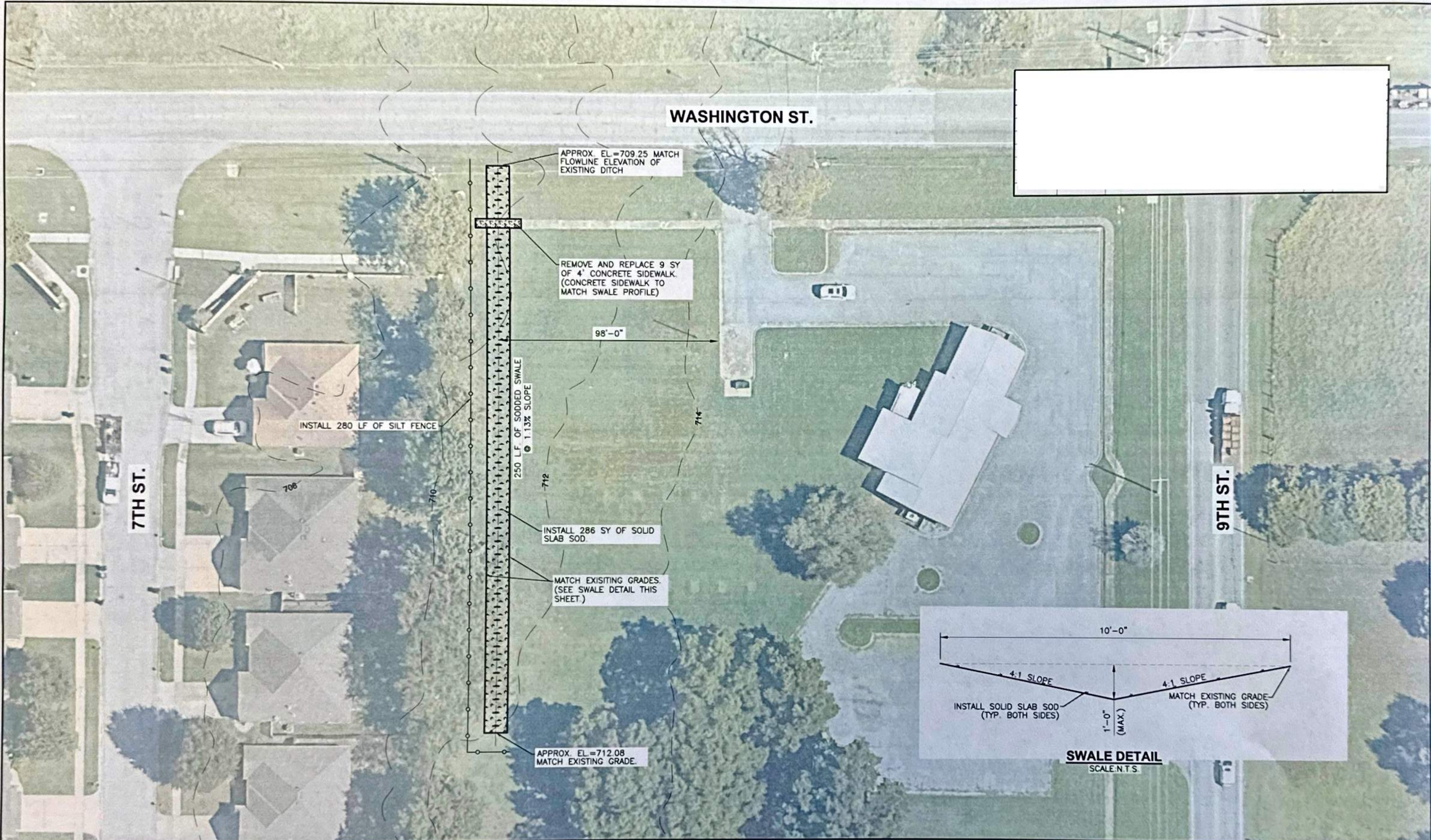
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- |                 |                    |                       |                                |           |
|-----------------|--------------------|-----------------------|--------------------------------|-----------|
| Parcels         | Address Points     | Stormwater Structures | Pre-Stressed Concrete Cylinder | Gate      |
| Sections (PLSS) | Stormwater Lines   | Other                 | wSystem Valves                 | Unknown   |
| Streams         | Broken Arrow       | wMains                | Butterfly                      | wHydrants |
|                 | Polyvinyl Chloride |                       |                                |           |



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

ArcGIS Web AppBuilder



DATE	REVISIONS	DESIGN	DRAFTED	DATE
		NTK	DDS	08/2023
		REVIEWED	PROJECT NO.	
		PPW	SW23040	
		APPROVED	SHEET	1
		EJLE	OF	1



# Knights of Columbus

Looking south from Washington St



Google Earth

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7.16 ft