

When the Design Did Not Work: Funding Public-Private Stormwater Projects



OFMA 2025 Annual Conference

Sight Unseen



Sight Unseen

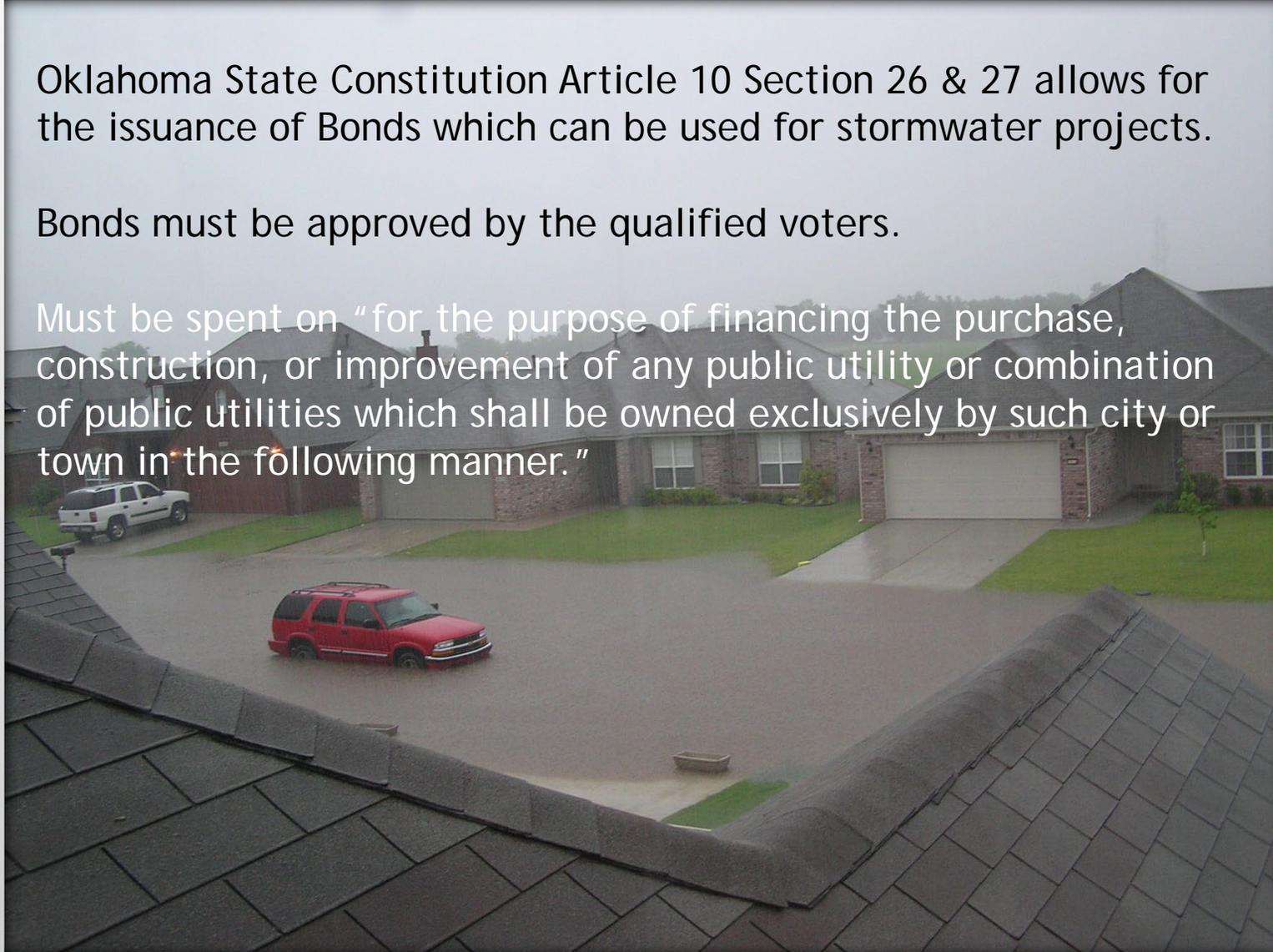


General Obligation Bonds

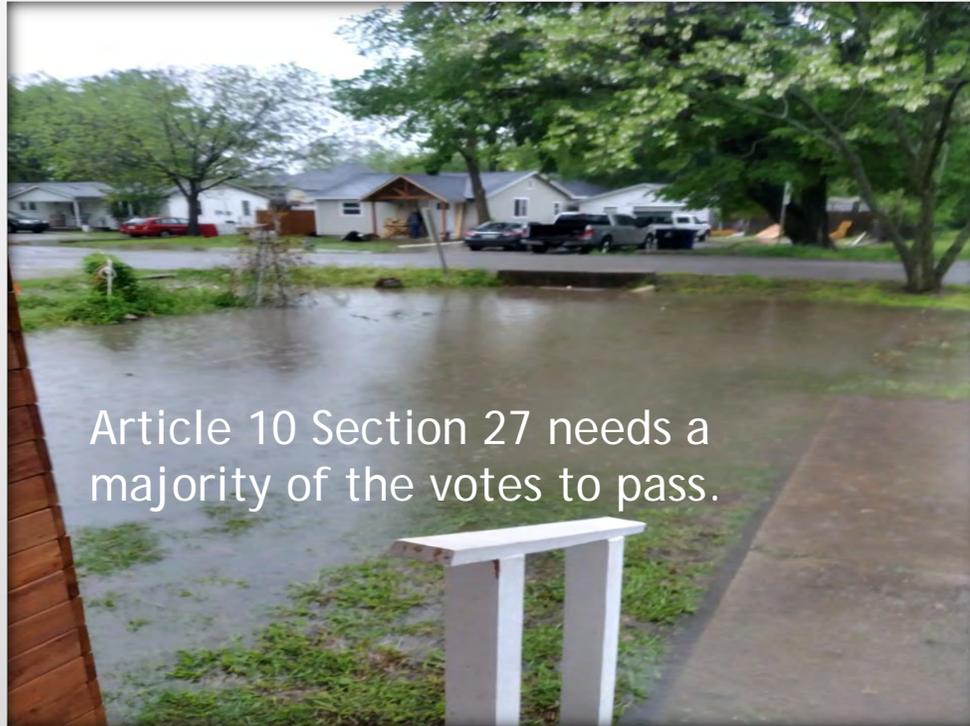
Oklahoma State Constitution Article 10 Section 26 & 27 allows for the issuance of Bonds which can be used for stormwater projects.

Bonds must be approved by the qualified voters.

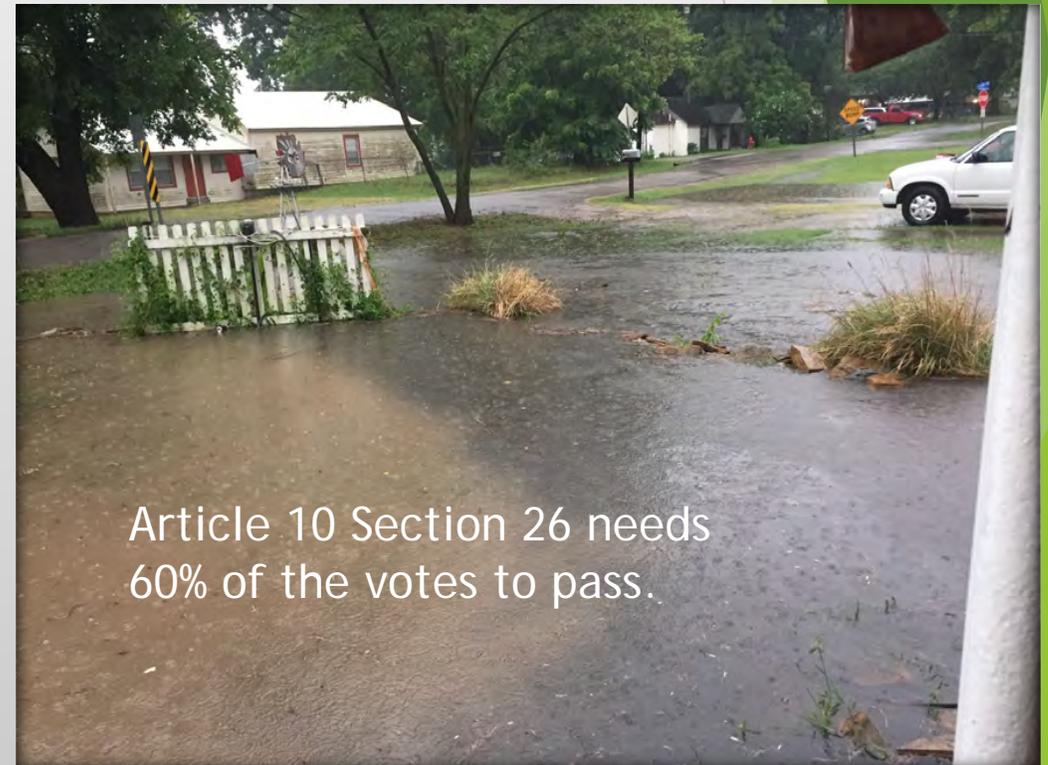
Must be spent on “for the purpose of financing the purchase, construction, or improvement of any public utility or combination of public utilities which shall be owned exclusively by such city or town in the following manner.”



General Obligation Bonds

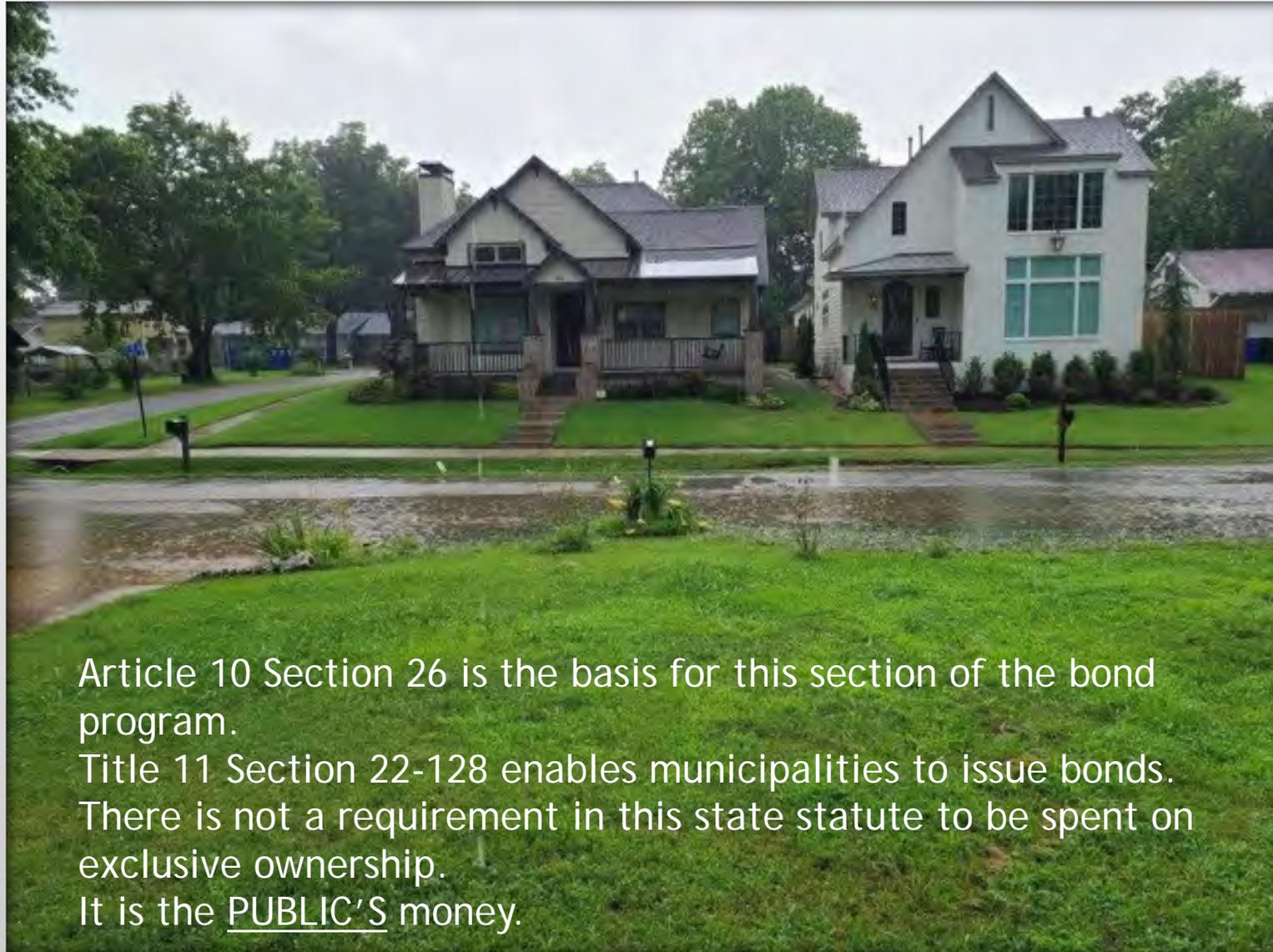


Article 10 Section 27 needs a majority of the votes to pass.



Article 10 Section 26 needs 60% of the votes to pass.

General Obligation Bonds – Proposition 6



Article 10 Section 26 is the basis for this section of the bond program.

Title 11 Section 22-128 enables municipalities to issue bonds. There is not a requirement in this state statute to be spent on exclusive ownership.

It is the PUBLIC'S money.

General Obligation Bonds – Proposition 6



Broken Arrow Created a Drainage Advisory Committee to assist in recommending expenditures.

Allows public to have input and opportunity to see projects.

Council authorizes the projects.

Lions Ave Culvert Replacement

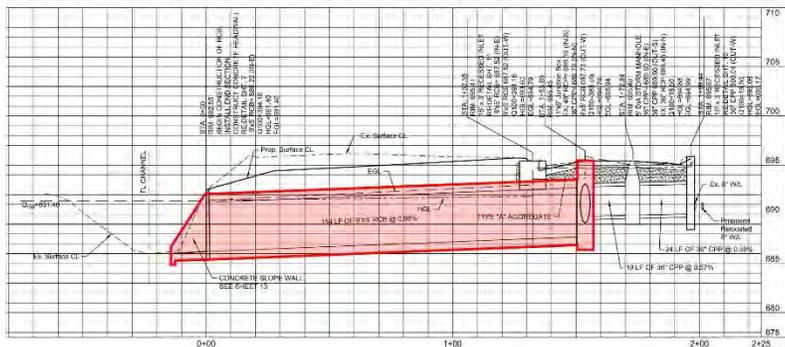
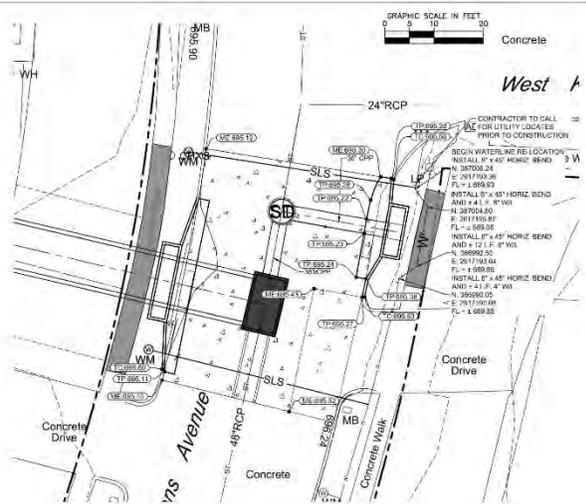
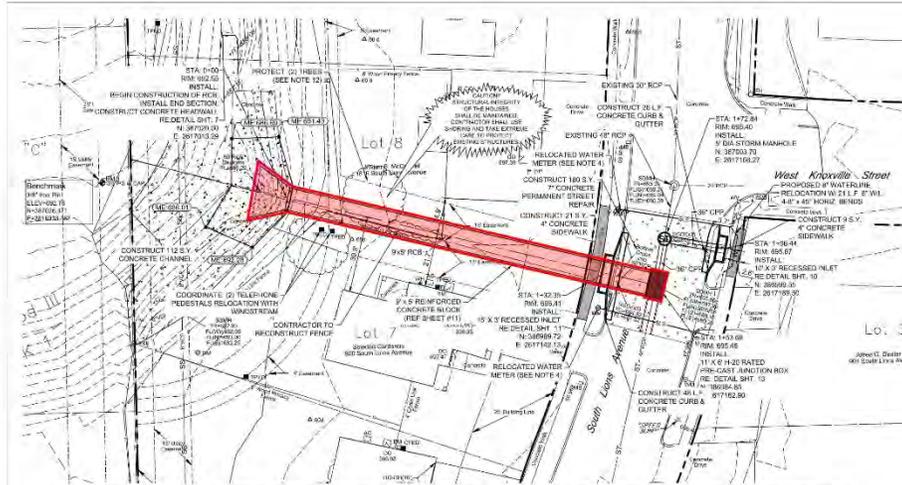


60-inch outlet pipe



Street inlet

Lions Ave Culvert Replacement



- NOTES**
1. CONTRACTOR TO FIELD VERIFY ALL MEASUREMENTS AND ELEVATIONS.
 2. CONTRACTOR SHALL USE EITHER PRE-CAST OR FORMED IN PLACE METHODS FOR REINFORCED BOX CONSTRUCTIONS.
 3. JUNCTION BOX MUST BE AN # 40 LOAD RATED PRE-CAST STRUCTURE. ALL PRE-CAST STRUCTURES WILL HAVE SHOP DRAWINGS APPROVED BY THE CONTRACTOR ADMINISTRATOR PRIOR TO PLACEMENT. ALL POLYMER STRUCTURE BOX DESIGNS AND SHOP DRAWINGS SHALL BE SUBMITTED PRIOR TO CONSTRUCTION.
 4. CONTRACTOR SHALL COORDINATE THE RELOCATION OF WATER METERS WITH THE CITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RELOCATION FROM THE MAIN TO THE HOUSE INCLUDING THE METER.
 5. CONTRACTOR MAY HAVE ACCESS FROM PARK AND TURKEY CREEK FOR DEMOLITION AND CONSTRUCTION ONLY WITH THE WRITTEN PERMISSION FROM THE CITY. THE CONTRACTOR MUST SUBMIT A WORK PLAN DETAILING DATES AND SPECIFIC TIMES AND NEEDS FOR ACCESS.
 6. CONTRACTOR SHALL COORDINATE REMOVAL ITEMS FOR SALVAGE WITH THE CITY.
 7. THE CONTRACTOR SHALL REMOVE ALL SURPLUS MATERIAL FROM THE PROJECT AREA.
 8. CONTRACTOR SHALL PROTECT ALL PUBLIC AND FRANCHISE UTILITIES DURING THE CONSTRUCTION OF THE PROJECT.
 9. ALL VALVES, FIRE HYDRANT APPURTENANCES AND UTILITY STRUCTURES SHALL BE ADJUSTED TO PROPER LINE AND GRADE BEFORE FINAL ACCEPTANCE.
 10. DAMAGE TO ALL EXISTING CONDITIONS TO REMAIN WILL BE REPLACED AT CONTRACTOR'S EXPENSE.
 11. CONTRACTOR TO COORDINATE RELOCATION OF TELEPHONE PEDESTALS WITH WINDSTREAM.
 12. CONTRACTOR SHALL PROTECT TREES THROUGHOUT CONSTRUCTION. IF REMOVAL IS REQUIRED, CONTRACTOR SHALL SUBMIT REF TO THE CITY.

BENCHMARK TABLE:

Benchmark 1 Chiseled "X" ELEV=701.45 N=387456.539 E=2617130.993	Benchmark 2 Chiseled "X" ELEV=700.18 N=387400.253 E=2618947.861
Benchmark 3 3/8" Iron Pin ELEV=692.78 N=387026.471 E=2616938.387	Benchmark 4 Chiseled "X" ELEV=698.69 N=387026.158 E=2617108.558



LIONS AVENUE DRAINAGE IMPROVEMENT

STORM SEWER P&P

PROJECT SCALE	DATE	DRAWN	DATE
HORIZ. 1"=20'	03/16	KEY	03/16
VERT. 1"=5'	DATE	APPROVED	DATE
DRAWING NAME	03/16	L.M.	
OF	13	SHEET NO.	PROJECT NO.
		03-16-2021	03-16-2021

Lions Ave Culvert Replacement



9 ft X 5 ft RCB



Increased street inlet

El Paso Ditch Restoration



El Paso Ditch Restoration



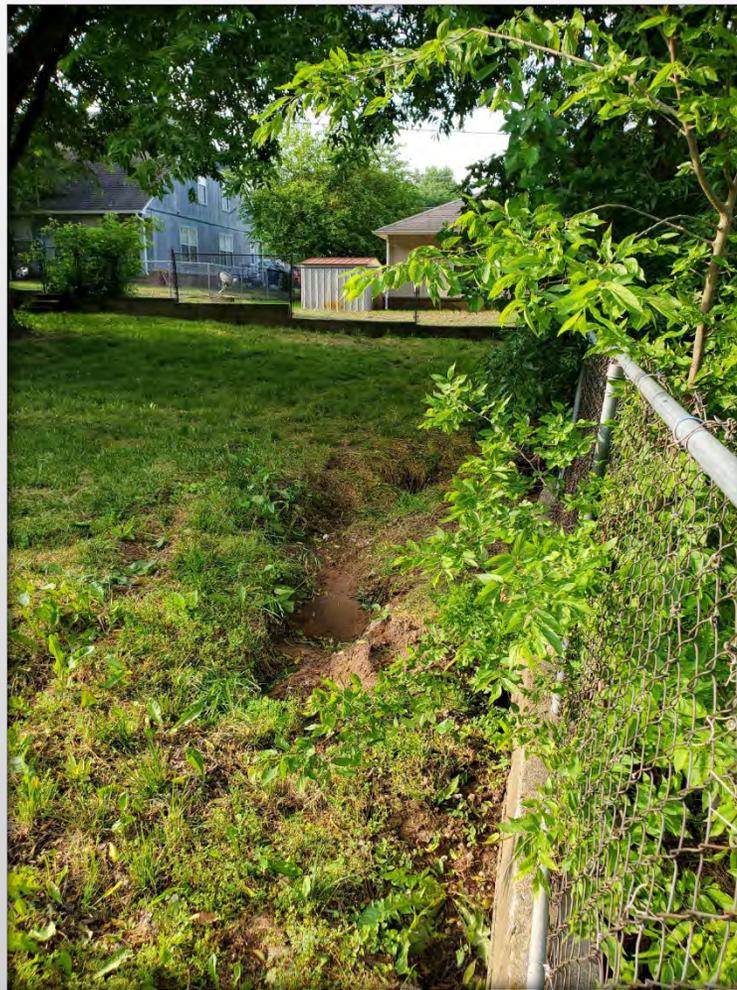
Galveston Street



CROSS ROAD CULVERT & DOWNSTREAM PIPE
BLOCKED



Galveston Street



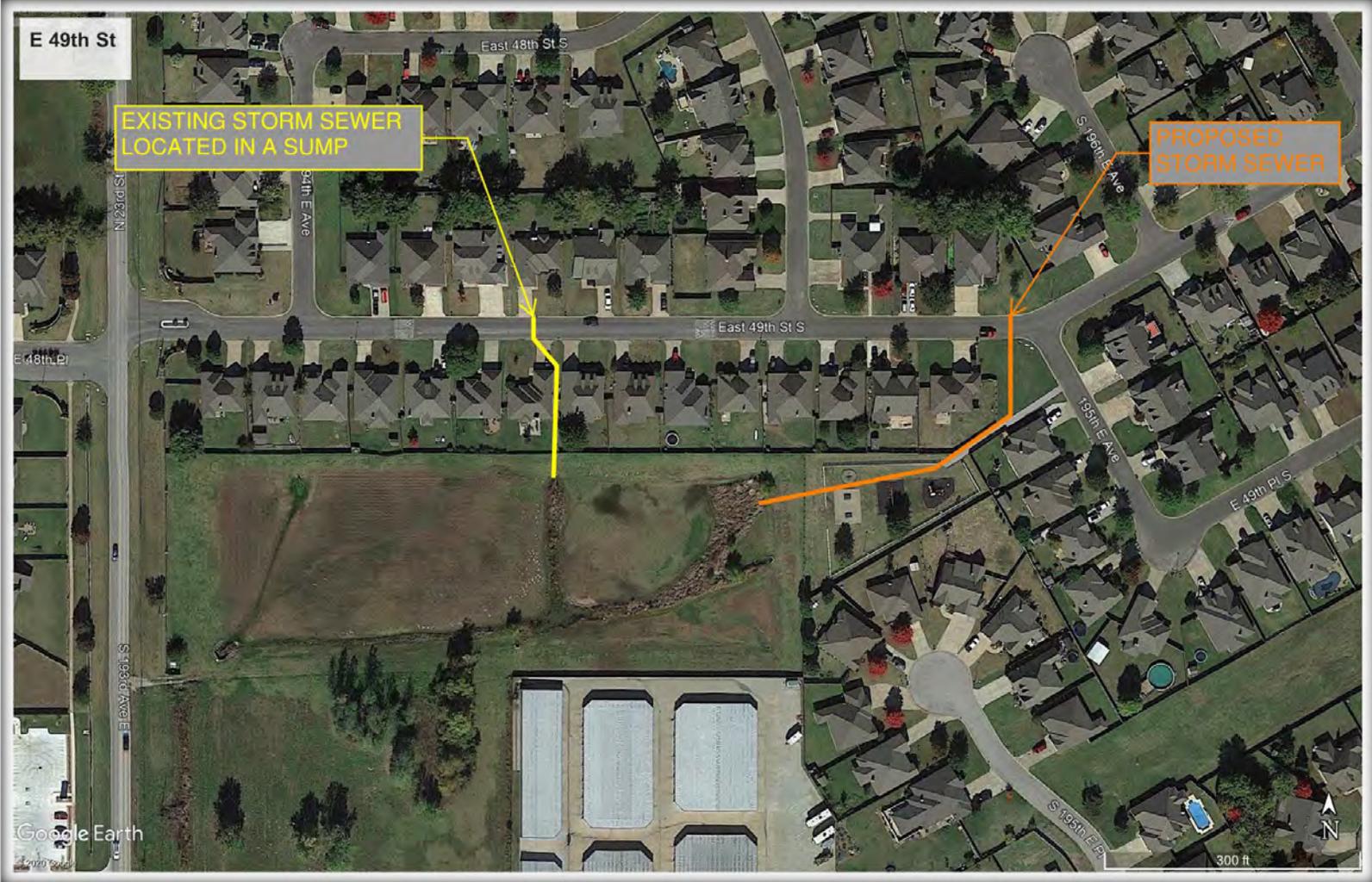
Galveston Street



Eagle Creek V - Subdivision



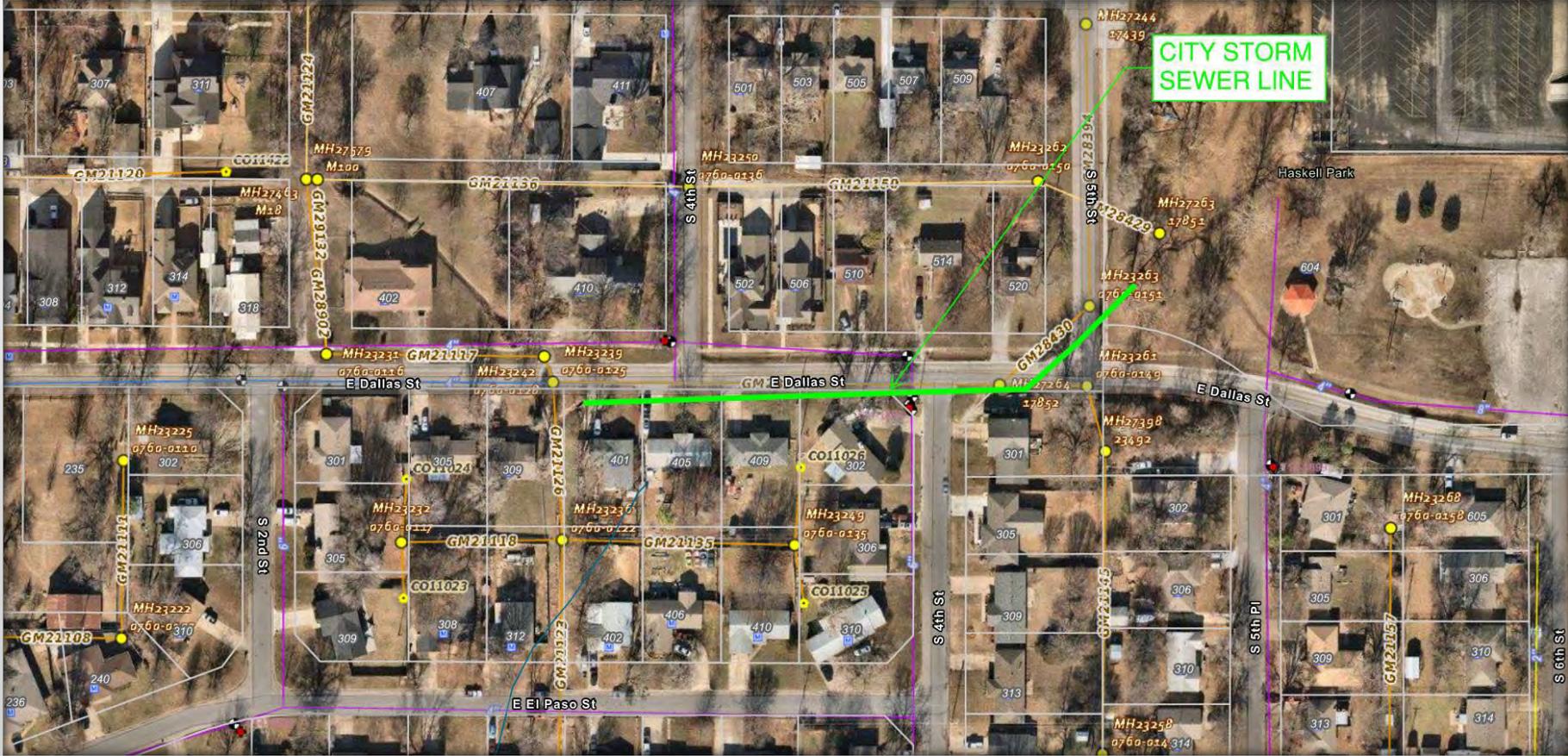
Eagle Creek V - Subdivision



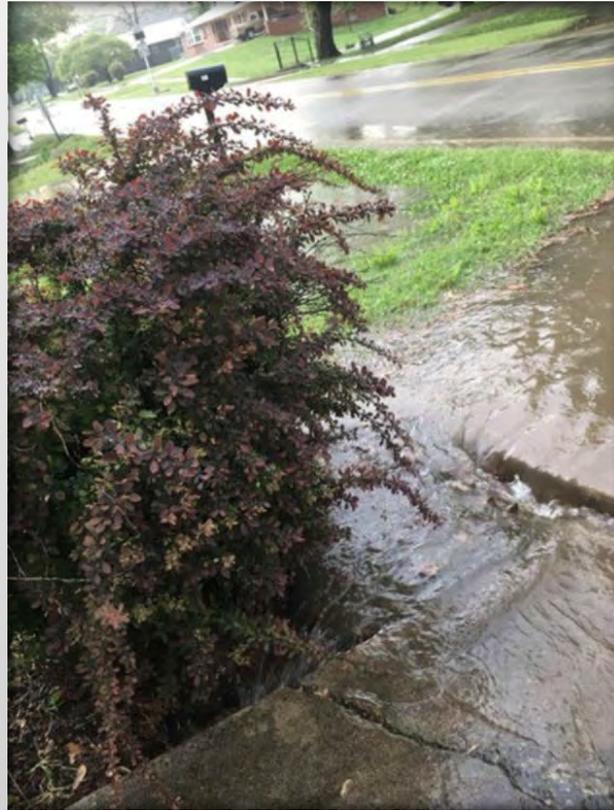
Eagle Creek V - Subdivision



Dallas Street



Dallas Street



Dallas Street



Dallas Street



Lessons Learned

- Review Bond Language.
- Better/refined application process.
- Education of public, committee and governing body.
- Finance Tracking.



Question?