

# Eastside Sewer Project

Stephenville  
— TE ★ AS —

## LEGEND

- Proposed Phase I Sewer Line
- Proposed Phase II Sewer Line
- Proposed Phase III Sewer Line
- Existing Sewer Line

PHASE I  
(RE-USE)  
\$ 1.0 MIL.

PHASE I  
(PLANT IMP.)  
\$ 2.0 MIL.

PHASE I  
LOAD  
TRANSFER  
\$ 4.5 MIL.

PHASE I  
R.O.W.  
\$ 0.3 MIL.

PHASE II  
AIRPORT  
\$ 2.1 MIL.

PHASE II  
R.O.W.  
\$ 0.2 MIL.

PHASE III B  
281 CORRIDOR  
\$ 0.4 MIL.

PHASE III A  
281 CORRIDOR  
\$ 0.2 MIL.

PHASE III  
281 CORRIDOR

STEPHENVILLE  
MUNICIPAL AIRPORT

STEPHENVILLE  
W.W.T.P.

Existing 30"  
N.E. Interceptor

Existing 12"  
Methodist Branch

Existing 36"  
N.E. Interceptor

Existing 30"  
N.E. Interceptor

SH. 108  
U.S. HWY. 201  
E. WASHINGTON BUS ST.  
E. LONG ST.  
TARLTON ST.  
S. 10th St.  
S. 11th St.  
S. 12th St.  
S. 13th St.  
S. 14th St.  
S. 15th St.  
S. 16th St.  
S. 17th St.  
S. 18th St.  
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S. 32nd St.  
S. 33rd St.  
S. 34th St.  
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S. 40th St.  
S. 41st St.  
S. 42nd St.  
S. 43rd St.  
S. 44th St.  
S. 45th St.  
S. 46th St.  
S. 47th St.  
S. 48th St.  
S. 49th St.  
S. 50th St.

# Eastside Sewer

Phase Layouts

## COMPREHENSIVE PLAN

- Lack of sewer and improvements:**

“Concern was raised that the eastern side of the City is lacking in sewer connections, and that some of the existing sewer system in the older parts of the city may not be in the condition or be able to handle the capacity of future development.”

Adopted March 4, 2008

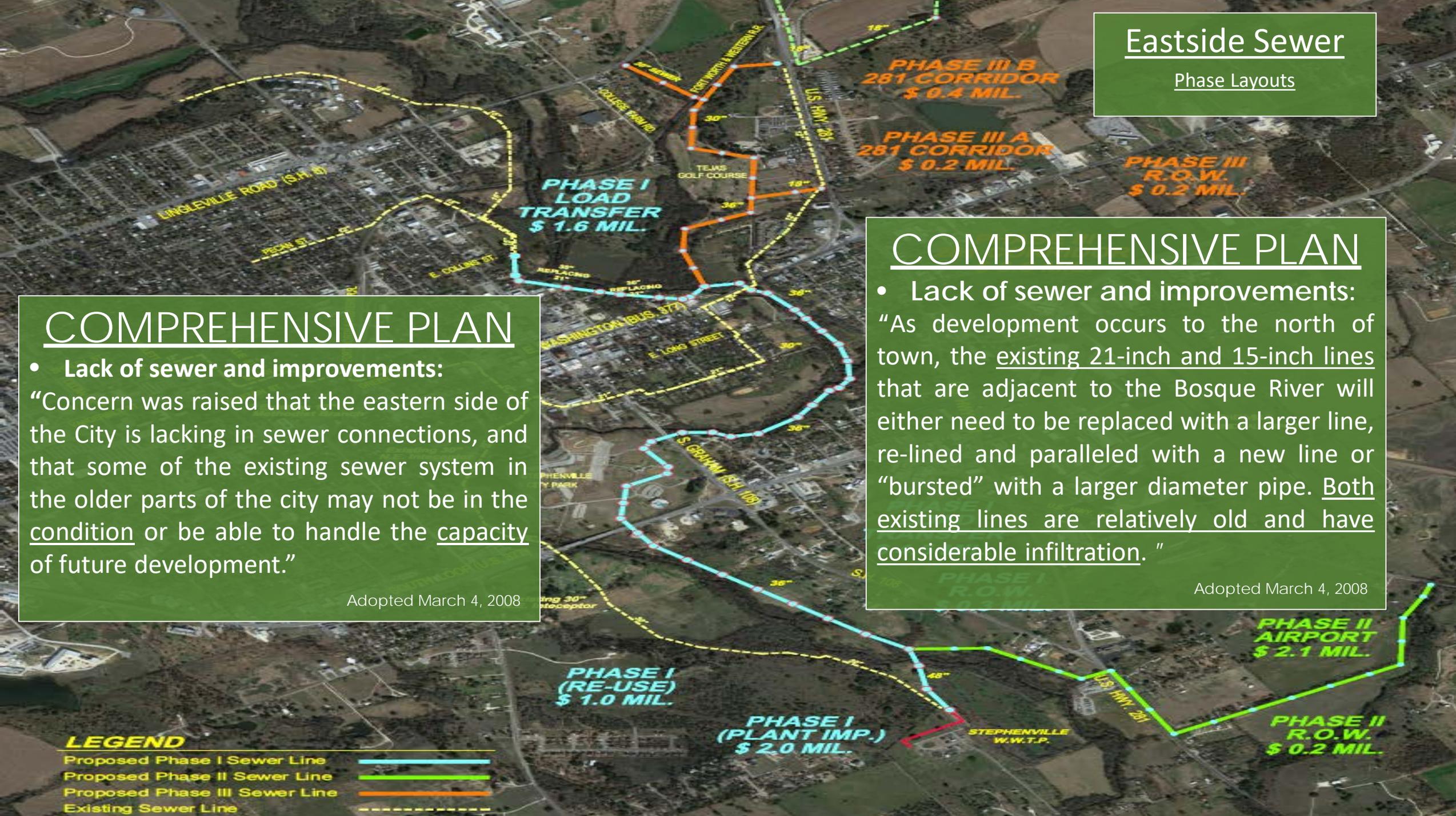
## COMPREHENSIVE PLAN

- Lack of sewer and improvements:**  
“As development occurs to the north of town, the existing 21-inch and 15-inch lines that are adjacent to the Bosque River will either need to be replaced with a larger line, re-lined and paralleled with a new line or “bursted” with a larger diameter pipe. Both existing lines are relatively old and have considerable infiltration.”

Adopted March 4, 2008

### LEGEND

Proposed Phase I Sewer Line	
Proposed Phase II Sewer Line	
Proposed Phase III Sewer Line	
Existing Sewer Line	





Buddy Garcia, *Chairman*  
 Larry R. Soward, *Commissioner*  
 Bryan W. Shaw, Ph.D., *Commissioner*  
 Mark R. Vickery, P.G., *Executive Director*

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

*Protecting Texas by Reducing and Preventing Pollution*

November 10, 2008

**CERTIFIED MAIL - RETURN RECEIPT REQUESTED** 91 7108 2133 3934 5798 2696

Mr. Nick Williams, P.E., Director of Public Works  
 City of Stephenville  
 298 West Washington  
 Stephenville, Texas 76118-6951

Re: Sanitary Sewer Overflow ("SSO") Initiative  
 City of Stephenville, Erath County  
 RN102081049  
 Enforcement Case No. 36691

**SSO Invitation Letter from TCEQ – November 10, 2008**

“...it was recommended that the City of Stephenville be placed into the Sanitary Sewer Overflow (“SSO”) Initiative Program.”

“We propose that the Texas Commission on Environmental Quality (“Commission” or “TCEQ”) and the City of Stephenville enter into the enclosed Agreement.”

record review of the City of Stephenville  
 ns pertaining to wastewater collection  
 u, it was recommended that the City of  
 ) Initiative Program.

lity ("Commission" or "TCEQ") and the  
 greement lists the deficiencies addressed  
 o resolve the deficiencies. Please review  
 o this office within 30 days after the date  
 Also, enclosed for your convenience is a

act us immediately so that an amended  
 have any questions, please contact Mr. J.

**LEGEND**

- Proposed Phase I Sewer Line —————
- Proposed Phase II Sewer Line —————
- Proposed Phase III Sewer Line —————
- Existing Sewer Line - - - - -

Enclosures: Original Agreement with Attachments, File Copy, Return Envelope

cc: Mr. Sid Slocum, Manager, Water Section, Dallas/Fort Worth Regional Office, TCEQ, MC-R4



In return for the City's agreement and adherence to these terms, the Commission will withhold further enforcement actions related to the noted deficiencies. Should unforeseen circumstances indicate a need to alter the above mentioned schedule, the City must immediately notify the Commission so that an amendment can be discussed.

The effective date of this Agreement is the signature date of the City's authorized representative. Acceptance of the terms of this Agreement is indicated by the signature below.

SSO Agreement – February 5, 2009

“In return for the City’s agreement and adherence to these terms, the Commission will withhold further enforcement actions related to the noted deficiencies.”



**LEGEND**

Proposed Phase I Sewer Line	
Proposed Phase II Sewer Line	
Proposed Phase III Sewer Line	
Existing Sewer Line	

*Nancy A. Hunter*  
 \_\_\_\_\_  
 Authorized representative of  
 The City of Stephenville

*2/5/09*  
 \_\_\_\_\_  
 Date

**NANCY A. HUNTER**  
 \_\_\_\_\_  
 Printed name of authorized representative  
 for the City of Stephenville

**HONORABLE MAYOR**  
 \_\_\_\_\_  
 Title

*Susan Johnson*  
 \_\_\_\_\_  
 Susan Johnson, Manager  
 Water Enforcement Section, Enforcement Division

*11/10/08*  
 \_\_\_\_\_  
 Date

**Instructions:** Send this signed, original Agreement to J. Craig Fleming, Enforcement Division, MC-169, Texas Commission on Environmental Quality, P. O. Box 13087, Austin, Texas 78711-3087



# Eastside Sewer

Phase I, Phase II & Phase III  
Layouts

## Cost Estimates

Phase I	\$9,500,000
Phase II	\$2,300,000
Phase III	\$4,400,000
<b>TOTAL</b>	<b>\$16,200,000</b>

**PHASE I  
LOAD  
TRANSFER  
\$ 1.6 MIL.**

**PHASE III B  
281 CORRIDOR  
\$ 0.4 MIL.**

**PHASE III A  
281 CORRIDOR  
\$ 0.2 MIL.**

**PHASE III  
R.O.W.  
\$ 0.2 MIL.**

**PHASE III  
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- Existing Sewer Line 

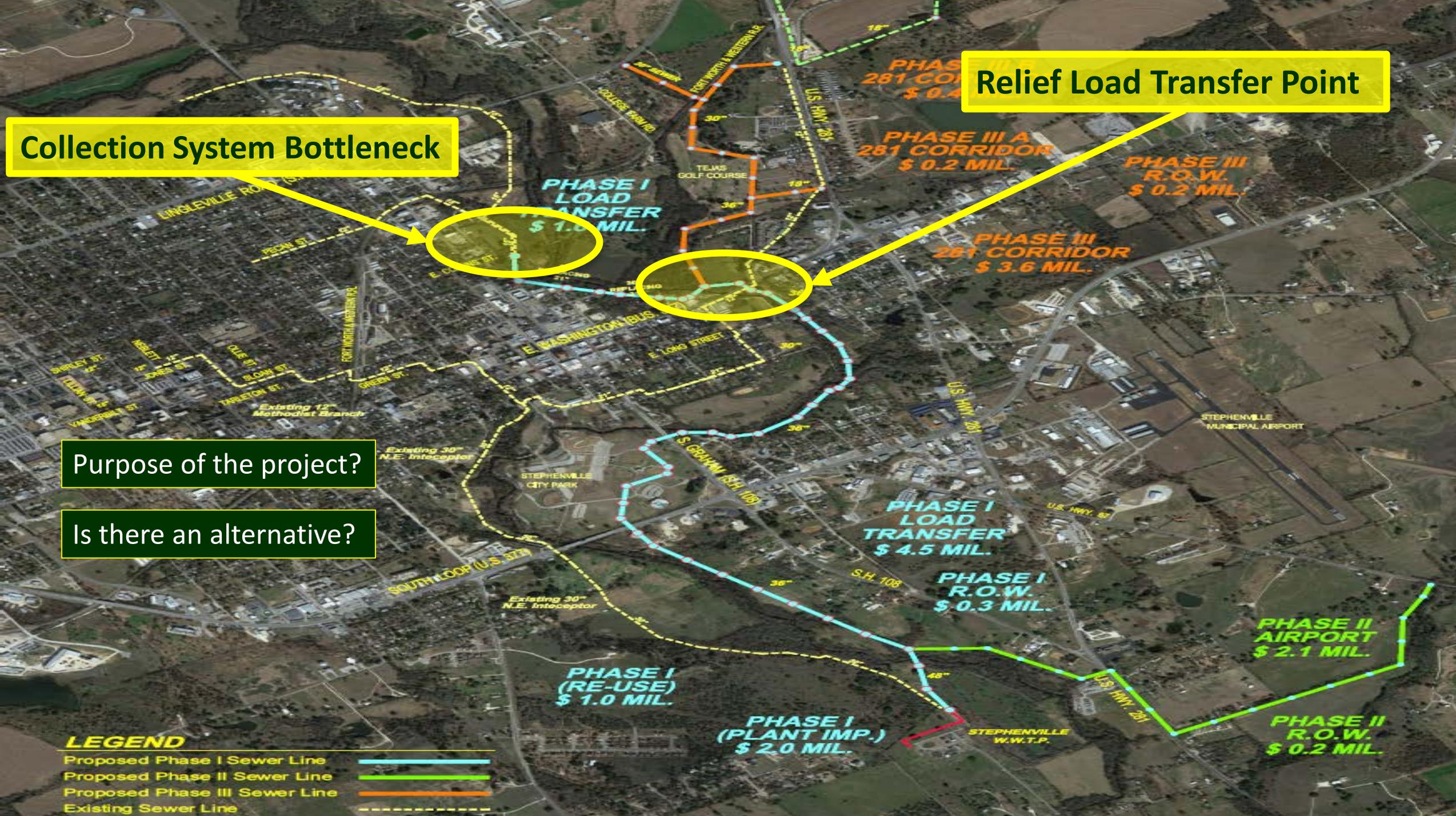


**Relief Load Transfer Point**

**Collection System Bottleneck**

Purpose of the project?

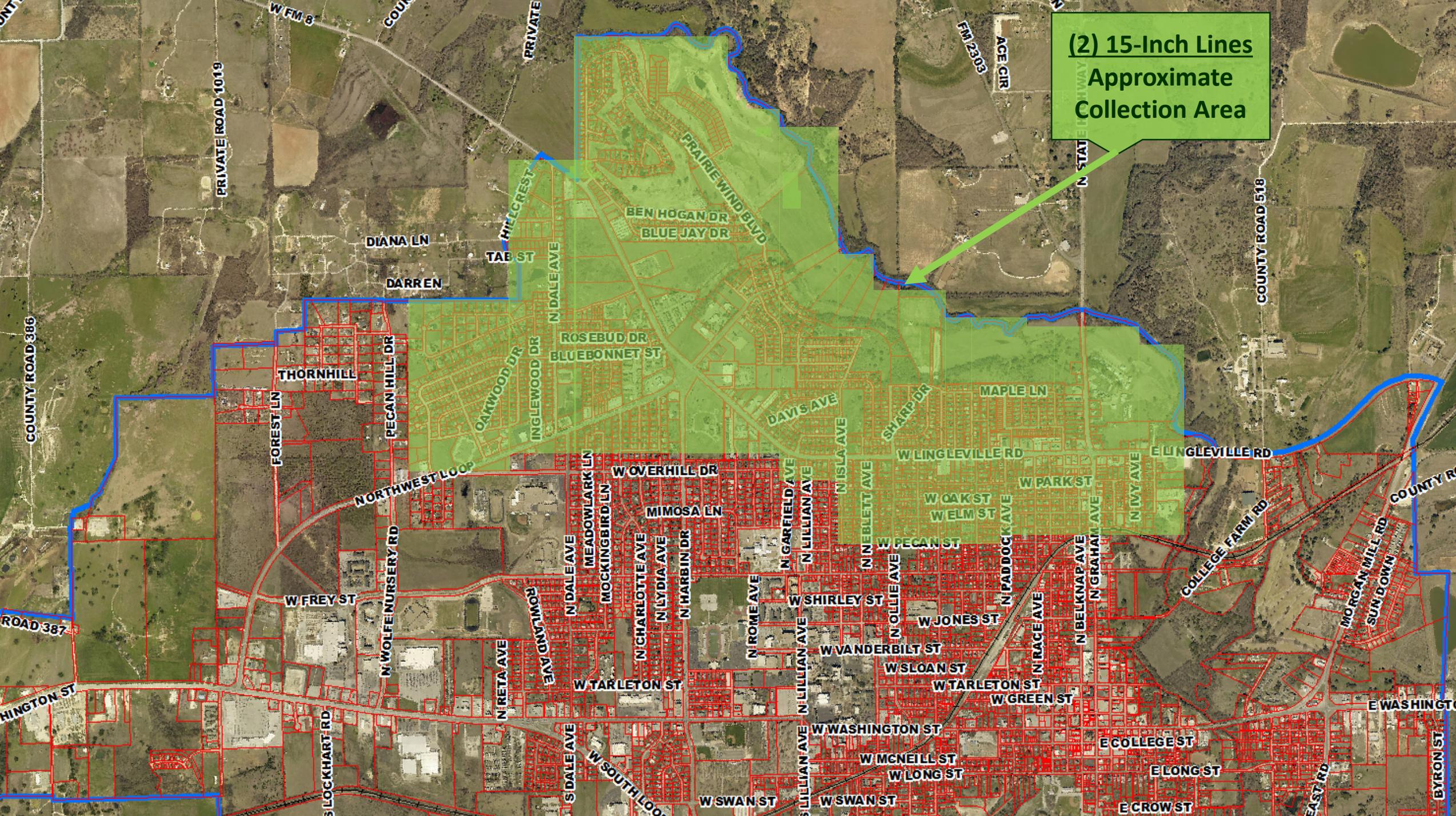
Is there an alternative?



**LEGEND**

Proposed Phase I Sewer Line	
Proposed Phase II Sewer Line	
Proposed Phase III Sewer Line	
Existing Sewer Line	

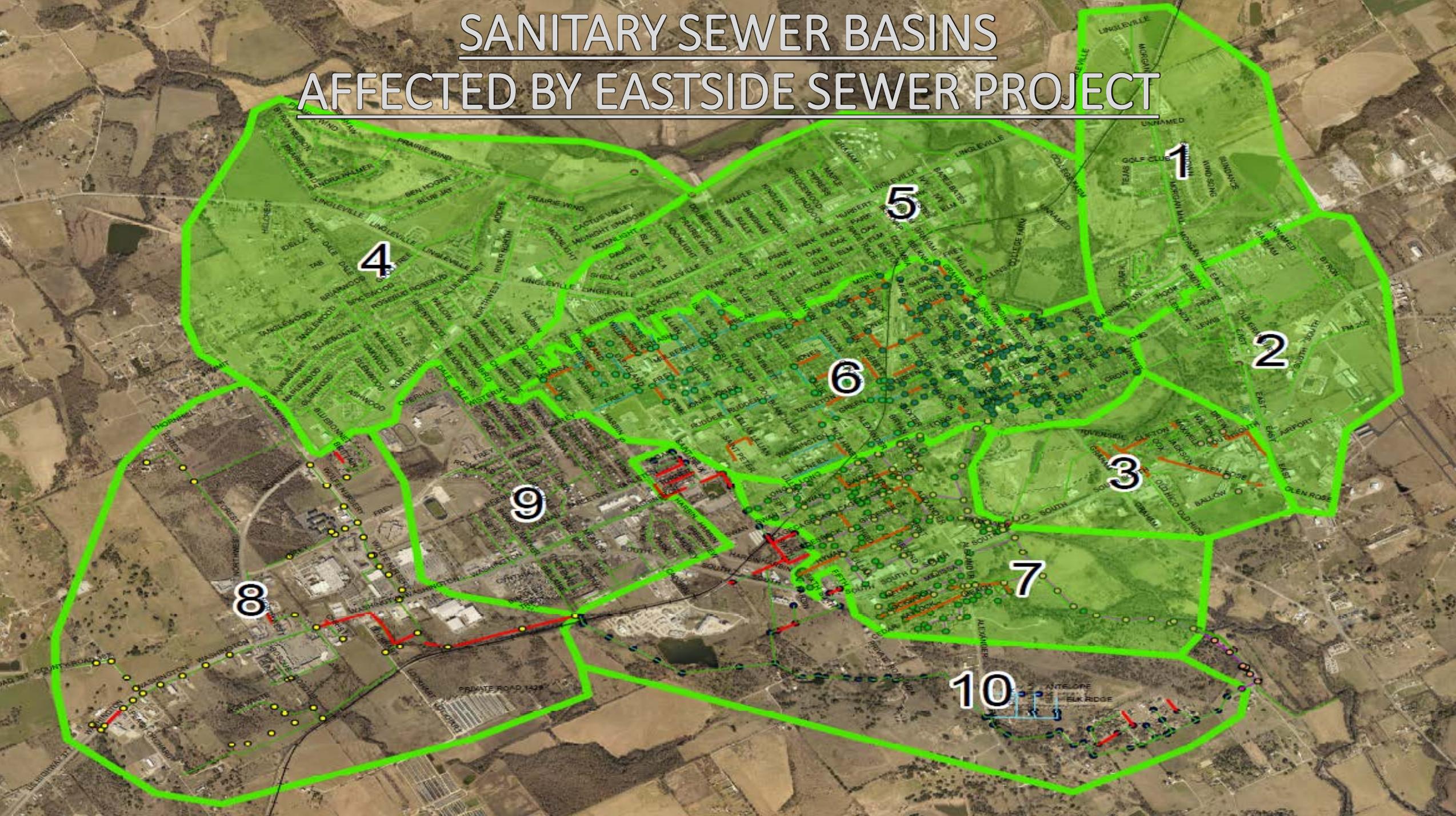
**(2) 15-Inch Lines**  
**Approximate**  
**Collection Area**



# SANITARY SEWER BASINS



# SANITARY SEWER BASINS AFFECTED BY EASTSIDE SEWER PROJECT



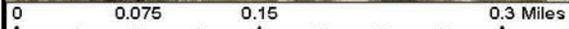
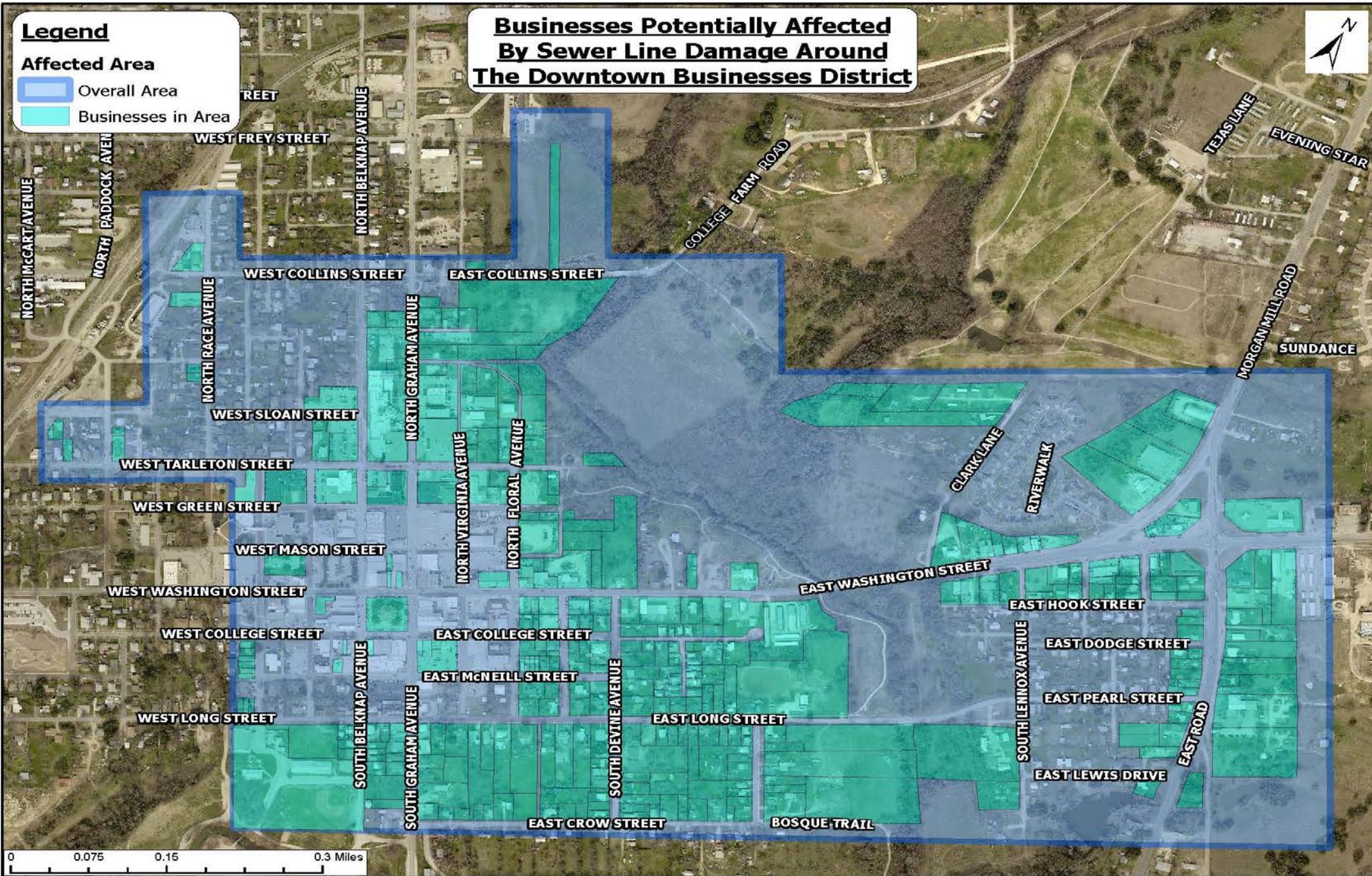
# Businesses Potentially Affected By Sewer Line Damage Around The Downtown Businesses District



## Legend

### Affected Area

- Overall Area
- Businesses in Area



LE  
Proj  
Proj  
Exis



**A Sanitary Sewer Overflow  
Has Occurred in Your Area.**  
For your safety, please refrain from using  
nearby bodies of water.

 **NO DRINKING**

 **NO SWIMMING**

 **NO FISHING**

For More Information:  
JEAP









# Eastside Sewer

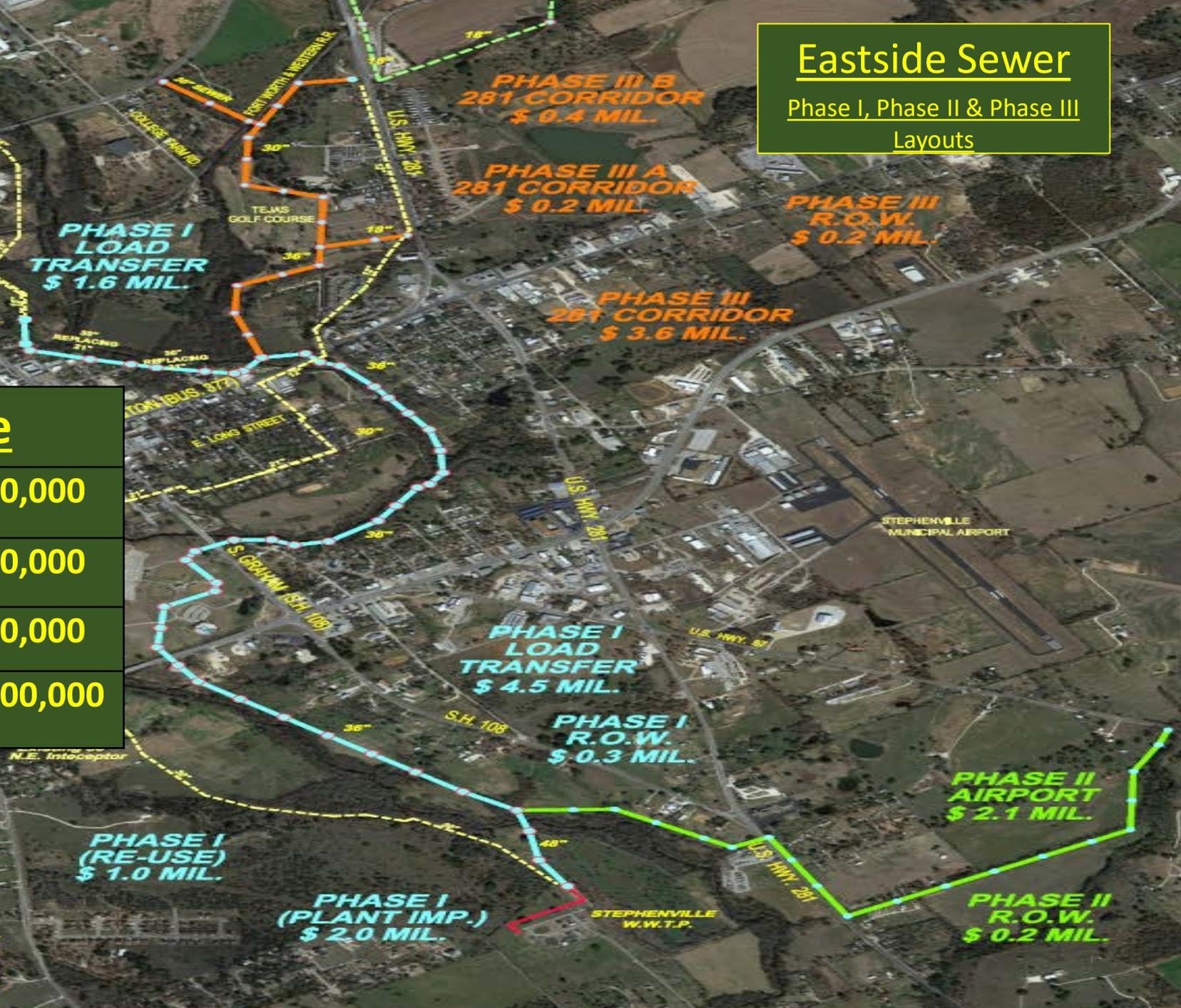
Phase I, Phase II & Phase III  
Layouts

## Proposed Bid Schedule

Phase I	Base Bid	\$9,500,000
Phase II	Add. Alternate No. 1	\$2,300,000
Phase III	Add. Alternate No. 2	\$4,400,000
EST. TOTAL		\$16,200,000

### LEGEND

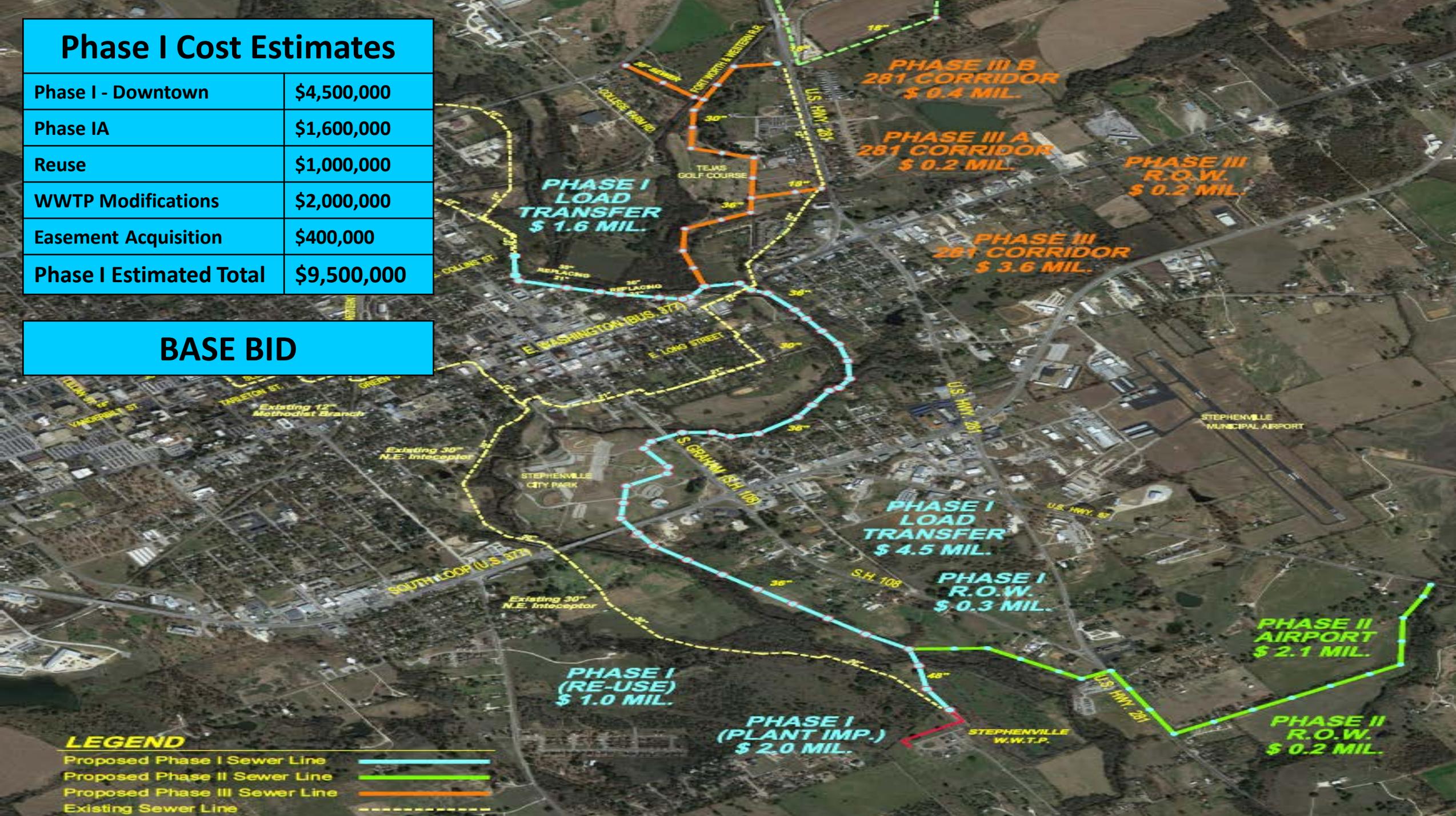
Proposed Phase I Sewer Line	
Proposed Phase II Sewer Line	
Proposed Phase III Sewer Line	
Existing Sewer Line	



# Phase I Cost Estimates

Phase I - Downtown	\$4,500,000
Phase IA	\$1,600,000
Reuse	\$1,000,000
WWTP Modifications	\$2,000,000
Easement Acquisition	\$400,000
<b>Phase I Estimated Total</b>	<b>\$9,500,000</b>

## BASE BID



### LEGEND

- Proposed Phase I Sewer Line ———
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- Existing Sewer Line - - - -

# Phase II Cost Estimates

Phase II – Airport	\$2,100,000
Easement Acquisition	\$200,000
Phase II Estimated Total	\$2,300,000

## ADD. ALTERNATE NO. 1



# Phase III Cost Estimates

Phase III – 281 Corridor	\$3,600,000
Phase IIIA	\$200,000
Phase IIIB	\$400,000
Easement Acquisition	\$200,000
Phase III Estimated Total	\$4,400,000

## ADD. ALTERNATE NO. 2



### LEGEND

- Proposed Phase I Sewer Line ———
- Proposed Phase II Sewer Line ———
- Proposed Phase III Sewer Line ———
- Existing Sewer Line - - - - -



LINSLEVILLE ROAD (S.H. 8)

PECAN ST

E. COLLINS ST

**PHASE I  
LOAD  
TRANSFER  
\$ 1.6 MIL.**

COLLEGE PARK RD

TEJAS GOLF COURSE

**PHASE III B  
281 CORRIDOR  
\$ 0.4 MIL.**

**PHASE III A  
281 CORRIDOR  
\$ 0.2 MIL.**

**PHASE III  
R.O.W.  
\$ 0.2 MIL.**

**PHASE III  
281 CORRIDOR  
\$ 3.6 MIL.**

SHARLEY ST  
E. JONES ST  
VANDERBILT ST

ASBETT ST

OLIE ST

SLOAN ST

TARLETON ST

E. WASHINGTON (BUS. 377)

E. LONG STREET

Existing 12" Methodist Branch

Existing 30" N.E. Interceptor

STEPHENVILLE CITY PARK

S. GRAHAM (S.H. 108)

**PHASE I  
LOAD  
TRANSFER  
\$ 4.5 MIL.**

**PHASE I  
R.O.W.  
\$ 0.3 MIL.**

STEPHENVILLE MUNICIPAL AIRPORT

SOUTH LOOP (U.S. 375)

Existing 30" N.E. Interceptor

**PHASE I  
(RE-USE)  
\$ 1.0 MIL.**

**PHASE I  
(PLANT IMP.)  
\$ 2.0 MIL.**

STEPHENVILLE W.W.T.P.

**PHASE II  
AIRPORT  
\$ 2.1 MIL.**

**PHASE II  
R.O.W.  
\$ 0.2 MIL.**

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# Property and System Impacts

- 5835 Total Sewer connections
- Phase I - Impacts 2352 properties
  - 2075 properties are residential in the collection area of the existing two 15-inch lines.
  - 796 properties, in the downtown area alone, are impacted with 218 being residential and 578 being non-residential.
- Phase II - Impacts 28 residential properties
- Phase III - Impacts 14 properties
  - 3 residential properties
  - 1 - 400 unit apartment complex
  - 10 non-residential including the Tejas Golf Course

By Transferring the Service Loading on  
Over 40% of customers or about 30 percent of your collection system,  
the project extends the life of the current system.

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**Texas Water Development Board**  
**SFY 2018 Clean Water State Revolving Fund**  
**Intended Use Plan**  
**Appendix J. Project Priority List - By Rank**

RANK	ENTITY	SCORE	REQUEST	FORGIVENESS \$
1	Cisco	129	\$5,839,000	\$4,087,300
2	Kerr County	114	\$23,486,540	\$16,440,578
3	Arlington	110	\$5,375,200	\$0
4	Houston	100	\$61,710,000	\$0
5	Vinton	91	\$22,805,000	\$15,963,500
6	Pearland	90	\$75,000,000	\$0
7	SAWS	90	\$19,336,890	\$0
8	SAWS	90	\$33,740,400	\$0
9	Alamo	87	\$11,250,000	\$3,375,000
10	Panorama Village	85	\$6,400,000	\$0
11	Comanche	83	\$425,000	\$127,500
12	Rhome	83	\$1,450,000	\$0
13	Brady	80	\$9,000,000	\$2,700,000
14	Dripping Springs	79	\$40,790,442	\$0
15	Stephenville	76	\$17,030,000	\$0

Stephenville Ranked  
 No. 15 out of 102  
 Applications

<b>Total Funds Allotted in Top 15</b>		<b>\$333,638,472</b>	<b>\$42,693,878</b>
<b>2018 Forgiveness Funds Available</b>			<b>\$13,600,000</b>
<b>2018 CWSRF Funds Available</b>		<b>\$525,000,000</b>	<b>-\$29,093,878</b>

**LEGEND**  
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 Proposed Phase II Sewer Line  
 Proposed Phase III Sewer Line  
 Existing Sewer Line

PHASE II AIRPORT  
 \$ 2.1 MIL.  
 PHASE II R.O.W.  
 \$ 0.2 MIL.

# Press Release March 21, 2018



[Home](#) [Board](#) [SWIFT](#) [Financial Assistance](#) [Water Planning](#) [Groundwater](#)

## Texas Water Development Board approves \$17,030,000 to the City of Stephenville (Erath County) for wastewater system improvements

**i** For immediate release. Contact: Kimberly Leggett at 512-463-5129

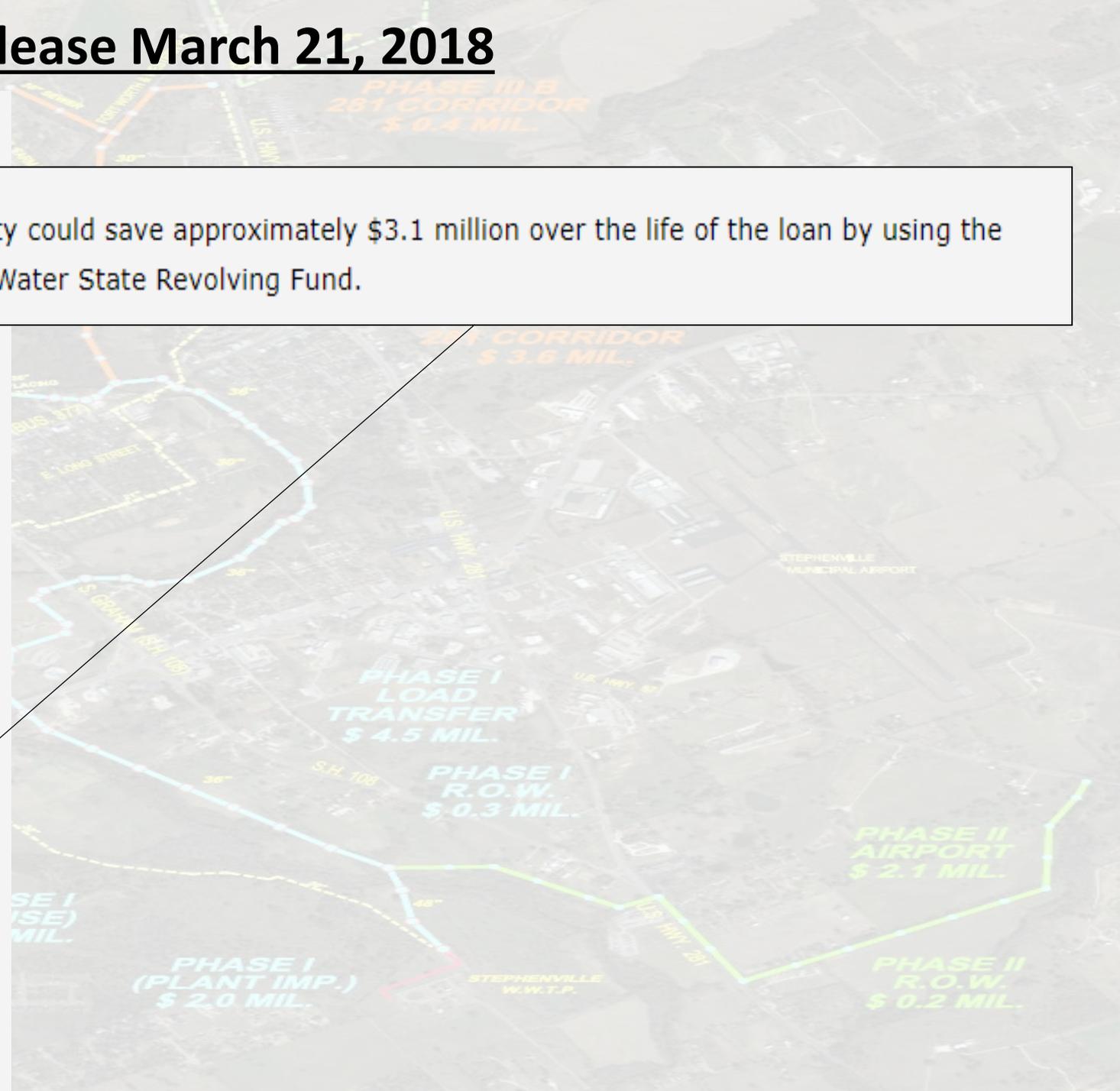
AUSTIN – (March 21, 2018) – The Texas Water Development Board (TWDB) today approved by resolution financial assistance in the amount of \$17,030,000 from the Clean Water State Revolving Fund to the City of Stephenville (Erath County). The City will use the assistance to finance acquisition and construction costs of wastewater system improvements.

The City could save approximately \$3.1 million over the life of the loan by using the Clean Water State Revolving Fund.

With the funds approved today, the City will make improvements to its eastside sewer project. The City also plans to extend sewer lines from the wastewater treatment plant toward the city airport and along the U.S. Highway 281 corridor.

The TWDB is the state agency charged with collecting and disseminating water-related data, assisting with regional planning, and preparing the state water plan for the development of the state's water resources. The TWDB administers cost-effective financial assistance programs for the construction of water supply, wastewater treatment, flood control, and agricultural water conservation projects.

The City could save approximately \$3.1 million over the life of the loan by using the Clean Water State Revolving Fund.



# • TWDB Interest Rates as of April 13, 2018

## State Revolving Funds

Type of Funds (5)	Terms	ESTIMATED RATE		VARIANCE (6)
		Market Rate	TWDB Rate (4)	
Clean Water SRF Non-Equivalency (AA)	20	2.92%	1.62%	1.30%
Clean Water SRF Non-Equivalency (BAA)	20	3.57%	2.27%	1.30%
Clean Water SRF Equivalency (AA)	20	2.92%	1.27%	1.65%
Clean Water SRF Equivalency (BAA)	20	3.57%	1.92%	1.65%
Drinking Water SRF (AA)	20	2.92%	1.57%	1.35%
Drinking Water SRF (BAA)	20	3.57%	2.22%	1.35%
Clean Water SRF Non-Equivalency (AA)	30	3.04%	1.74%	1.30%
Clean Water SRF Non-Equivalency (BAA)	30	3.67%	2.37%	1.30%
Clean Water SRF Equivalency (AA)	30	3.04%	1.39%	1.65%
Clean Water SRF Equivalency (BAA)	30	3.67%	2.02%	1.65%
Drinking Water SRF (AA)	30	3.04%	1.69%	1.35%
Drinking Water SRF (BAA)	30	3.67%	2.32%	1.35%

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PHASE III  
R.O.W.  
\$ 0.2 MIL.

STEPHENVILLE  
MUNICIPAL AIRPORT

PHASE II  
AIRPORT  
\$ 2.1 MIL.

PHASE II  
R.O.W.  
\$ 0.2 MIL.

Interest for 20 year note @ 1.33% = \$2,797,389

Interest for 20 year note @ 3% = \$6,309,900

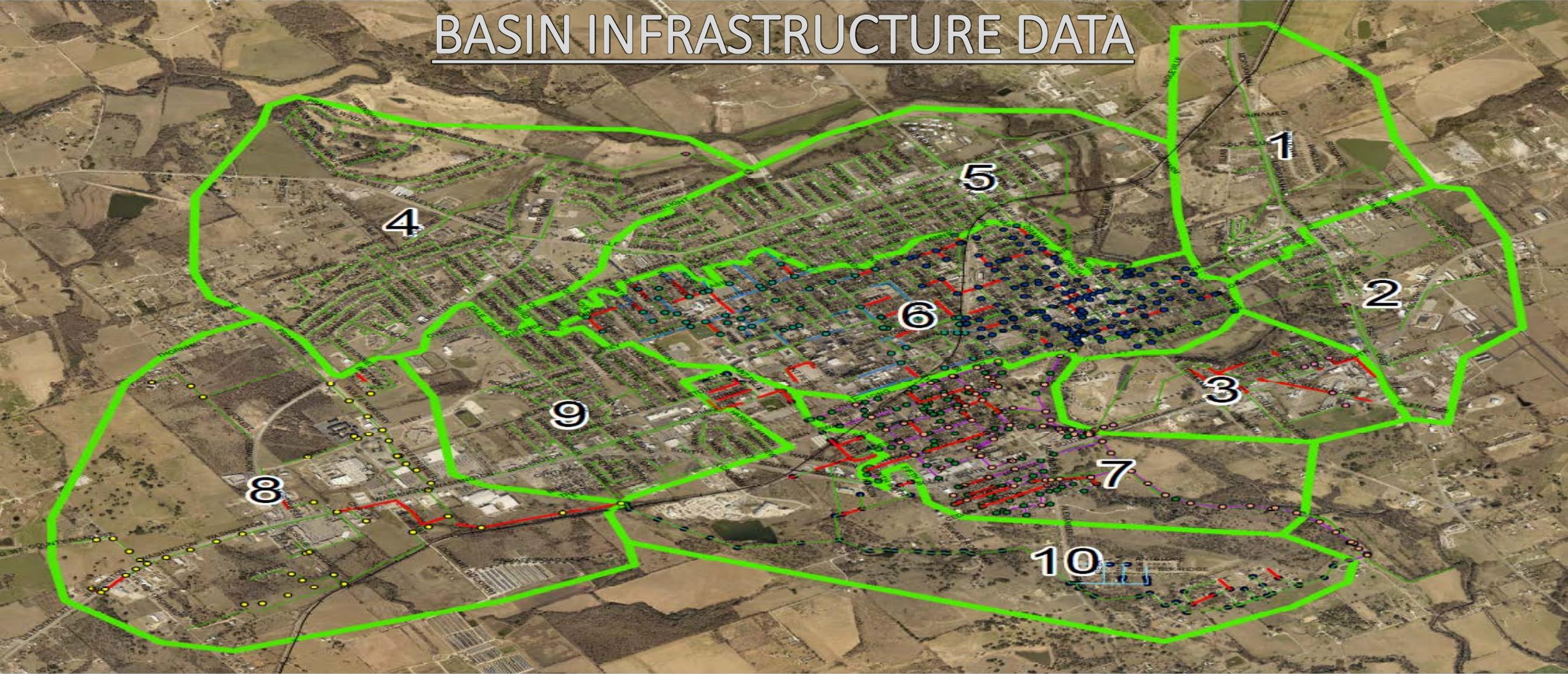
Interest savings = \$3,512,511

### Assumptions:

- Debt service starts in FY 2018-2019
- Level principal payment structure
- 2% annual inflation in transfers and expenses
- Annual capital expenditures of \$1.5 million
- Revenue is based on previously planned rate increases

City of Stephenville Statement of Projected Cash Flows Water & Sewer Fund Eastside Sewer Presentation						
	FY 17-18	FY 18-19	FY 19-20	FY 20-21	FY 21-22	FY 22-23
Cash Balance 10/01	4,341,809	3,630,918	2,871,205	3,528,206	3,406,717	3,259,781
Revenues	7,470,704	7,710,704	7,881,704	7,983,704	8,034,704	8,034,704
Transfers In	18,213	18,577	18,949	19,328	19,714	20,109
Transfers Out	(359,225)	(366,410)	(373,738)	(381,212)	(388,837)	(396,613)
Expenditures						
Personnel Costs	1,468,682	1,498,056	1,528,017	1,558,577	1,589,749	1,621,544
Operating Expenditures	2,888,007	2,933,525	2,979,954	3,027,311	3,075,615	3,124,885
Capital Expenditures	1,424,975	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000
Debt Service	2,058,919	2,191,004	861,944	1,657,421	1,647,154	1,635,006
Total Expenditures	7,840,583	8,122,584	6,869,914	7,743,309	7,812,517	7,881,435
Net Revenues over(under) Expenditures	(710,891)	(759,712)	657,001	(121,489)	(146,935)	(223,235)
Estimated Cash Balance 09/30	3,630,918	2,871,205	3,528,206	3,406,717	3,259,781	3,036,546
Restricted:						
Operational Reserve	1,089,172	1,107,895	1,126,993	1,146,472	1,166,341	1,186,607
Debt Service	2,191,004	861,944	1,657,421	1,647,154	1,635,006	1,624,394
Special Revenue Purpose						
Airport Improvement						
Grant Match						
Estimated Unrestricted Cash Balance 9/30	350,742	901,366	743,792	613,091	458,434	225,545

# BASIN INFRASTRUCTURE DATA



**Cost of Rehab per Basin by Utility**

UTILITY	Basin 10	Basin 07	Basin 03	Basin 08	Basin 06	Basin 05	Basin 09	Basin 02	Basin 04	Basin 01	TOTAL
<b>Storm</b>	\$0	\$9,856	\$4,520	\$0	\$77,064	\$0	\$0	\$0	\$0	\$0	\$91,440
<b>Sewer</b>	\$675,875	\$1,249,350	\$814,800	\$1,002,300	\$3,038,550	\$6,158,746	\$3,347,222	\$1,847,628	\$5,369,241	\$1,778,160	\$25,281,873
<b>Water</b>	\$515,835	\$877,410	\$451,035	\$1,118,265	\$2,249,370	\$1,571,490	\$938,715	\$607,710	\$1,497,315	\$517,320	\$10,344,465
<b>Pavement</b>	\$732,384	\$774,864	\$408,176	\$819,008	\$2,293,536	\$1,519,264	\$988,864	\$432,800	\$1,609,632	\$535,088	\$10,113,616
<b>TOTAL</b>	<b>\$1,924,094</b>	<b>\$2,911,480</b>	<b>\$1,678,531</b>	<b>\$2,939,573</b>	<b>\$7,658,520</b>	<b>\$9,249,500</b>	<b>\$5,274,801</b>	<b>\$2,888,138</b>	<b>\$8,476,188</b>	<b>\$2,830,568</b>	<b>\$45,831,394</b>

# Previous Steps

1. Submit PIF – Project Information Form, Review and get Ranked - ✓
2. Get an Invitation and Submit TWDB Application - ✓
3. Secure Management and Financial Services - ✓
4. Pre-Application Meeting with TWDB - ✓
5. Submit Application for funding to TWDB by 09/14/2017 - ✓
  - Ranked 15<sup>th</sup> out of 102 submittals
6. Get Funding Commitment from TWDB - ✓
  - Full Commitment for All Phases Received – 03/21/2018

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- Existing Sewer Line

# Next Steps

## Council Vote # 5

1. Consider a resolution authorizing Notice of Intent
  - A vote only to decide publishing two notices indicating council will discuss and consider issuing CO's on June 5<sup>th</sup>.

## Council Vote # 6

2. Council authorization to pursue the state-mandated environmental review and the easement acquisition process
  - While the easement acquisition is proceeding, construction documents will be finalized for bidding.
  - Environmental Review and Easement Acquisition to be completed prior to bidding the project.

## Council Vote # 7

3. Council authorization to solicit bids for the construction of the entire project  
Project application developed with Phase I as the base bid
  - Phases II and III shown as additional alternate bids (add-alternates)

## Council Vote # 8

4. Council consideration of phases for Construction - All bids evaluated for each phase

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PHASE I  
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TRANSFER

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281 CORRIDOR  
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PHASE II  
AIRPORT  
\$ 2.1 MIL.

PHASE II  
R.O.W.  
\$ 0.2 MIL.

# TWDB TIMELINE

March 2018						
S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

April 2018						
S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

May 2018						
S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

June 2018						
S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

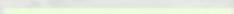
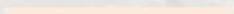
July 2018						
S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

(TWDB – CWSRF)

## \$17,030,000 Combination Tax and Revenue Certificates of Obligation, Series 2018

- 21 MAR 2018 TWDB Funding commitment letter issued
- 17 APR 2018 Meeting to consider a Resolution authorizing Notice of Intent to issue Certificates of Obligation
- 21 APR 2018 First publication of Notice of Intent to issue Certificates of Obligation to occur (at least 31 days prior to authorization of issuance)  
2nd publication of Notice of Intent 1 week later
- 02 MAY 2018 Bond Counsel to provide draft documents to initiate the closing process (at least 30 days prior to authorization to the Certificates)
- 29 MAY 2018 Interest rates provided by TWDB (approximately one week prior to issuance)
- 05 JUN 2018 Meeting to consider action authorizing issuance of Certificates and approving sale
- 29 JUN 2018 All closing documents due to TWDB
- 10 JUL 2018 Closing, receipt of funds
- 31 MAR 2019 TWDB Commitment Expires

### LEGEND

Proposed Phase I Sewer Line	
Proposed Phase II Sewer Line	
Proposed Phase III Sewer Line	
Existing Sewer Line	

