

**City of Mount Vernon**

City Wide Wastewater Collection System Rehabilitation - Phase 1

Pre-Agreement Opinion of Probable Project Cost

August 5, 2022

Item No.	Description	Quantity	Unit	Unit Price	Total
<b>Sewer Line Rehabilitation</b>					
1.01	Mobilization, Insurance, and Bond (@ 5%)	1	LS	\$56,700	\$56,700
1.02	Barricades, Signs, and Traffic Handling	1	LS	\$45,000	\$45,000
1.03	Temporary Bypass Pumping	1	LS	\$30,000	\$30,000
1.04	Gravity Sewer Line and Manhole Testing	1	LS	\$15,000	\$15,000
1.05	Excavation Safety	1	LS	\$90,000	\$90,000
1.06	Trench Safety	8,260	LF	\$5.00	\$41,300
1.07	6 Inch PVC Sanitary Sewer Line Replacement	8,260	LF	\$65.00	\$536,900
1.08	Road Repair	5,000	LF	\$55.00	\$275,000
1.09	48-Inch Diameter Sanitary Sewer Manhole Repair	14	EA	\$2,071.40	\$29,000
1.10	48-Inch Diameter Sanitary Sewer Manhole Replacement	14	EA	\$4,500	\$63,000
<b>Construction Subtotal:</b>					<b>\$1,181,900</b>
Construction Contingencies (20%):					\$236,000
<b>Opinion of Probable Construction Cost:</b>					<b>\$1,417,900</b>
Professional Services (@ 20%)					\$284,000
<b>Opinion of Probable Project Cost</b>					<b>\$1,701,900</b>

Assumptions:

Unit costs are in 2022 dollars.

Assumes relocation of franchise utilities by others.

**City of Mount Vernon**

City Wide Wastewater Collection System Rehabilitation - Phase 2

Pre-Agreement Opinion of Probable Project Cost

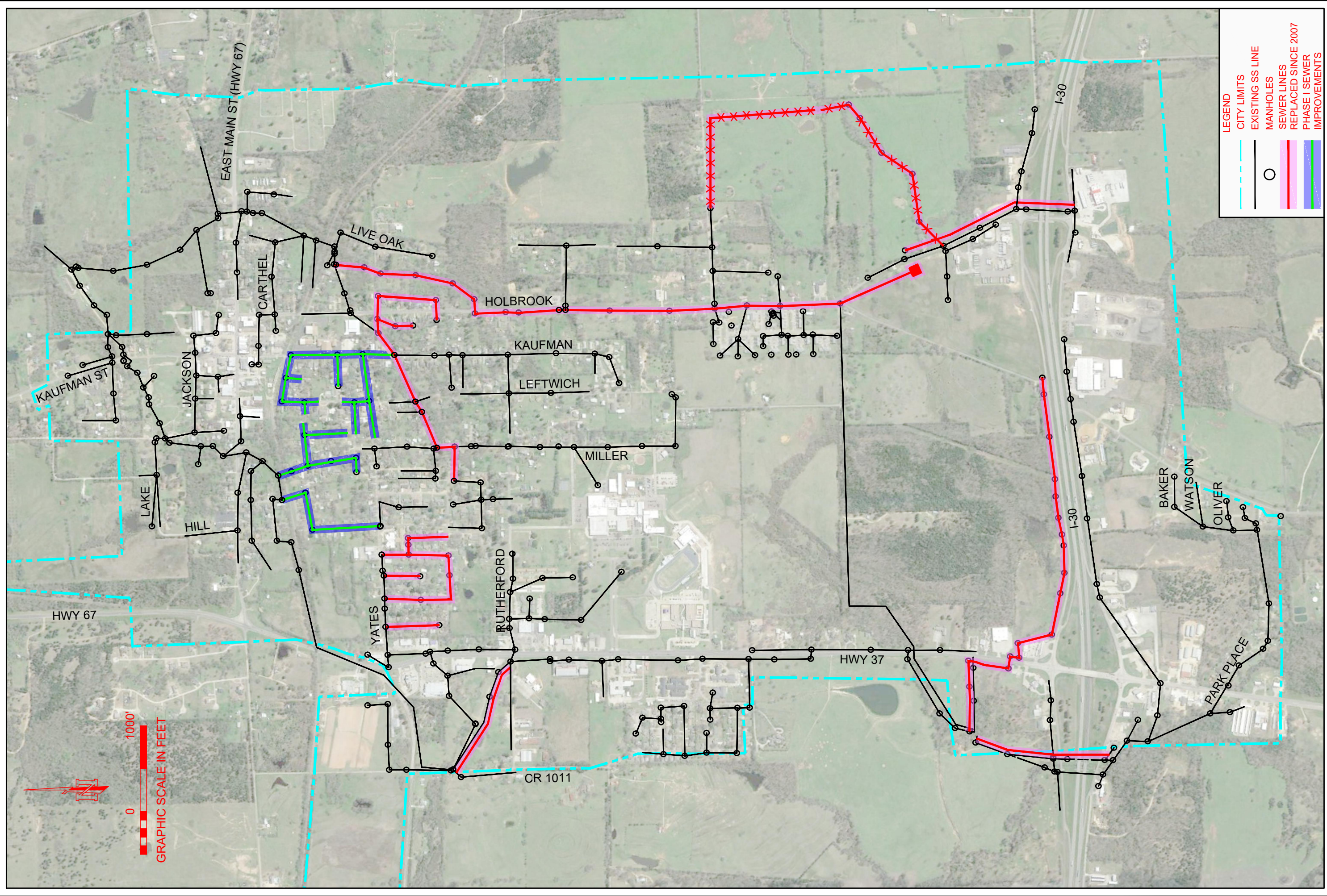
August 5, 2022

Item No.	Description	Quantity	Unit	Unit Price	Total
<b>Sewer Line Rehabilitation</b>					
1.01	Mobilization, Insurance, and Bond (@ 5%)	1	LS	\$234,139	\$234,139
1.02	Barricades, Signs, and Traffic Handling	1	LS	\$45,000	\$45,000
1.03	Temporary Bypass Pumping	1	LS	\$30,000	\$30,000
1.04	Gravity Sewer Line and Manhole Testing	1	LS	\$15,000	\$15,000
1.05	Excavation Safety	1	LS	\$90,000	\$90,000
1.06	Trench Safety	57,871	LF	\$5.00	\$289,355
1.07	6 Inch PVC Sanitary Sewer Line Replacement	41,941	LF	\$65.00	\$2,726,165
1.08	8 Inch PVC Sanitary Sewer Line Replacement	15,930	LF	\$75.00	\$1,194,750
1.09	48-Inch Diameter Sanitary Sewer Manhole Repair	36	EA	\$1,750.00	\$63,000
1.10	48-Inch Diameter Sanitary Sewer Manhole Replacement	51	EA	\$4,500	\$229,500
<b>Construction Subtotal:</b>					<b>\$4,916,900</b>
Construction Contingencies (20%):					\$983,000
<b>Opinion of Probable Construction Cost:</b>					<b>\$5,899,900</b>
Professional Services (@ 20%)					<u>\$1,180,000</u>
<b>Opinion of Probable Project Cost</b>					<b>\$7,080,000</b>

Assumptions:

Unit costs are in 2022 dollars.

Assumes relocation of franchise utilities by others.



**LEGEND**

- CITY LIMITS
- EXISTING SS LINE
- MANHOLES
- SEWER LINES REPLACED SINCE 2007
- PHASE I SEWER IMPROVEMENTS



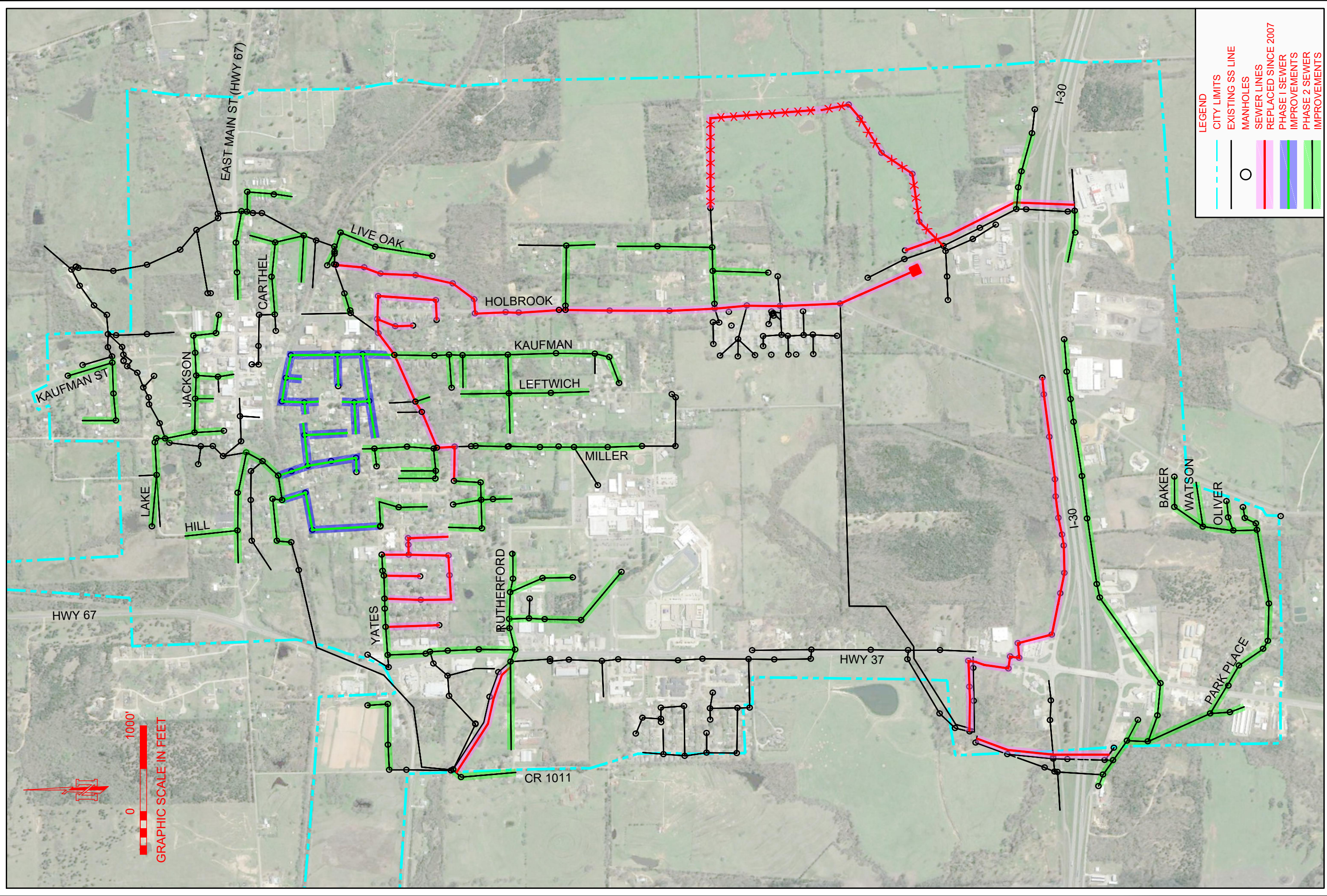
PHASE 1 SEWER LINE EXHIBIT

CITY OF MOUNT VERNON  
WATER SYSTEM IMPROVEMENTS

**KSA**

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**LEGEND**

- CITY LIMITS
- EXISTING SS LINE
- MANHOLES
- SEWER LINES REPLACED SINCE 2007
- PHASE 1 SEWER IMPROVEMENTS
- PHASE 2 SEWER IMPROVEMENTS

**PHASE 2 SEWER LINE EXHIBIT**

**CITY OF MOUNT VERNON  
WATER SYSTEM IMPROVEMENTS**

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