

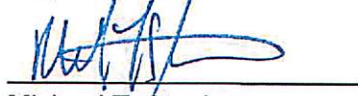
POLICY REPORT PWD NO. 23-48

CONSIDER APPROVAL OF CONTRACT CHANGE ORDER NO. 1  
FOR THE 2ND & CHESTNUT STONE ARCH REPLACEMENT PROJECT

PROJECT NO. 2018-895

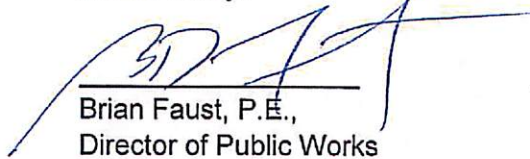
November 14, 2023

Prepared by:

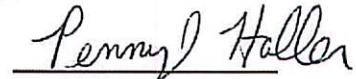


Michael T. Stephan,  
Project Manager

Reviewed by:



Brian Faust, P.E.,  
Director of Public Works



Paul Kramer,  
City Manager

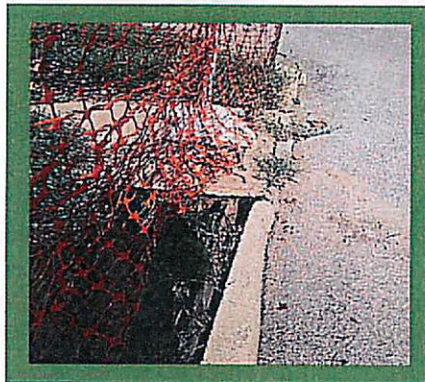
**ISSUE:**

Consider approval of Contract Change Order No. 1 for the 2nd & Chestnut Stone Arch Replacement Project.

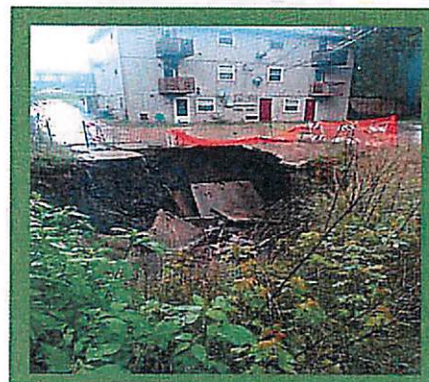
**BACKGROUND:**

On July 12, 2022, the City Commission approved a contract with Lexeco Construction, Inc. for the construction of the 2nd & Chestnut Stone Arch Replacement Project.

The project was necessary due to multiple failures in the old system that had created sinkholes (marked by orange fencing) along the project limits. These failures continued to worsen and were coming closer to an occupied structure. This location is near the bottom of the drainage basin so a significant amount of water is captured from upstream and conveyed through this area. This results in larger piping and structure sizes to accommodate the volume of stormwater that flows through the area and dumps into the Missouri River just downstream of this project.



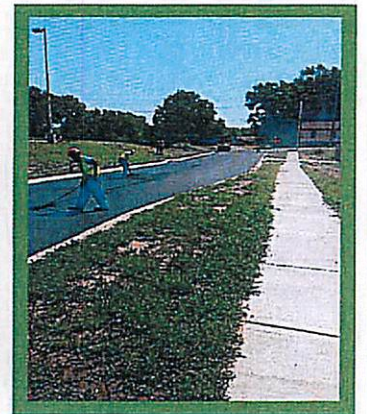
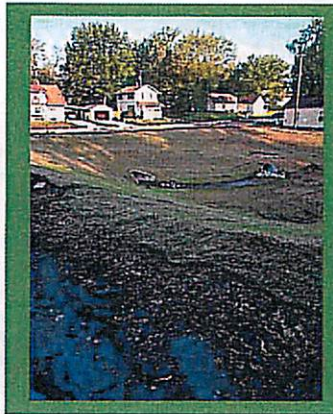
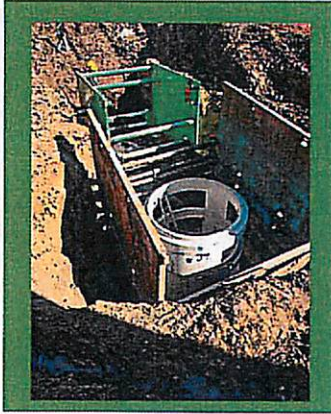
Sinkhole Undercutting the Street



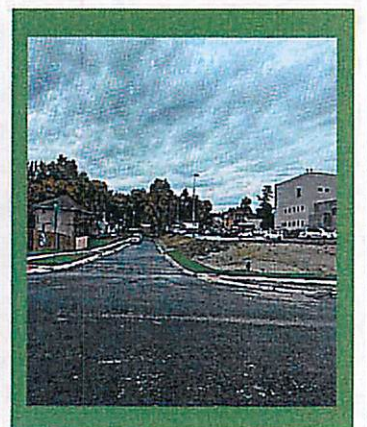
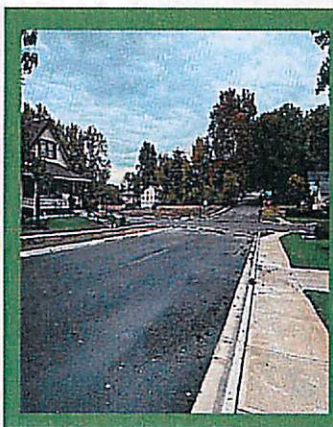
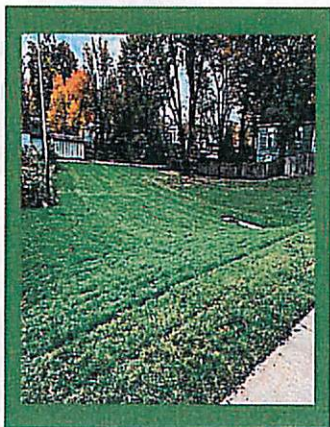
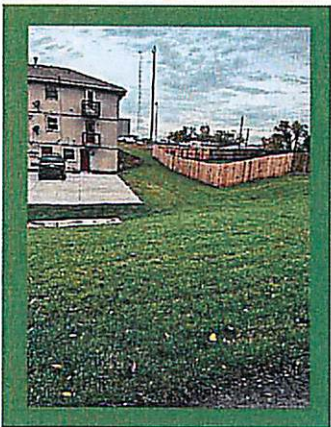
Sinkhole Near Apartments

The 2nd & Chestnut Stone Arch Replacement Project included upsizing/replacement of the stormwater conveyance system from 2nd & Chestnut to the alley northeast of 4th & Spruce. With the extensive excavations along the project, there is a substantial amount of street reconstruction, sanitary line and manhole replacement and other work required to complete this project. The project location and limits are highlighted on the attached map.

See the representative construction photos below:



See the representative post-construction photos below:



**BUDGET IMPACT:**

The initial purchase order for construction of this project (July, 2022) was \$3,534,012.80. Construction began on September 6, 2022 and was substantially completed on October 24, 2023. All remaining contractor items have been completed as of October 24, 2023. Pending are 70% or better growth of the seeding and sodding on the project.

During the course of the project, it was necessary to have the contractor perform unforeseen extra work and there was also expected work items that came in under the anticipated amount. At the conclusion of the project – the total Final Change Order amount is \$249,670.07. This amount is made up of many individual items as listed below:

**List of Work additions and reductions –**

- Removal & Replacement of an Existing Sanitary Manhole. + \$ 20,000.00
  - Existing Brick Manhole found to be in poor condition.
- Existing Retaining Wall Reconstructed. + \$ 21,090.00
  - New Sanitary Line Installation passed under the wall.
- Sanitary Sewer Spot Repair. + \$ 13,750.00
  - An Existing Sanitary Line had a severe sag; it was corrected.
- Full Depth Removal at 3rd & Chestnut. + \$ 6,000.00
  - Due to Manhole Replacement.
- Unsuitable Soil Material was Removed & Replaced with Rock. + \$ 12,810.45
  - Olive Street & 3rd Street.
- Drainage Issue Discovered post Construction. + \$ 5,600.00

- Driveway Removal & Re-Grading.
- Project Line Item Under-Runs. -\$ 24,996.92
  - Less than anticipated quantities resulting in a cost savings.
- Project Line Item Over-Runs. +\$195,416.54
  - Greater than anticipated quantities resulting in additional costs.

The net impact of all the increases and decreases for this project is \$249,670.07, or 7.06% of the original bid cost. Funds budgeted in 2022 for this project were \$3,534,012.80 based on the bids received. The revised project total will be \$3,783,682.87.

**POLICY:**

The City Commission reviews all change orders of this magnitude.

**RECOMMENDATION:**

Staff recommends that the City Commission approve Change Order No. 1 for the 2nd & Chestnut Stone Arch Replacement Project in the amount of \$249,670.07.

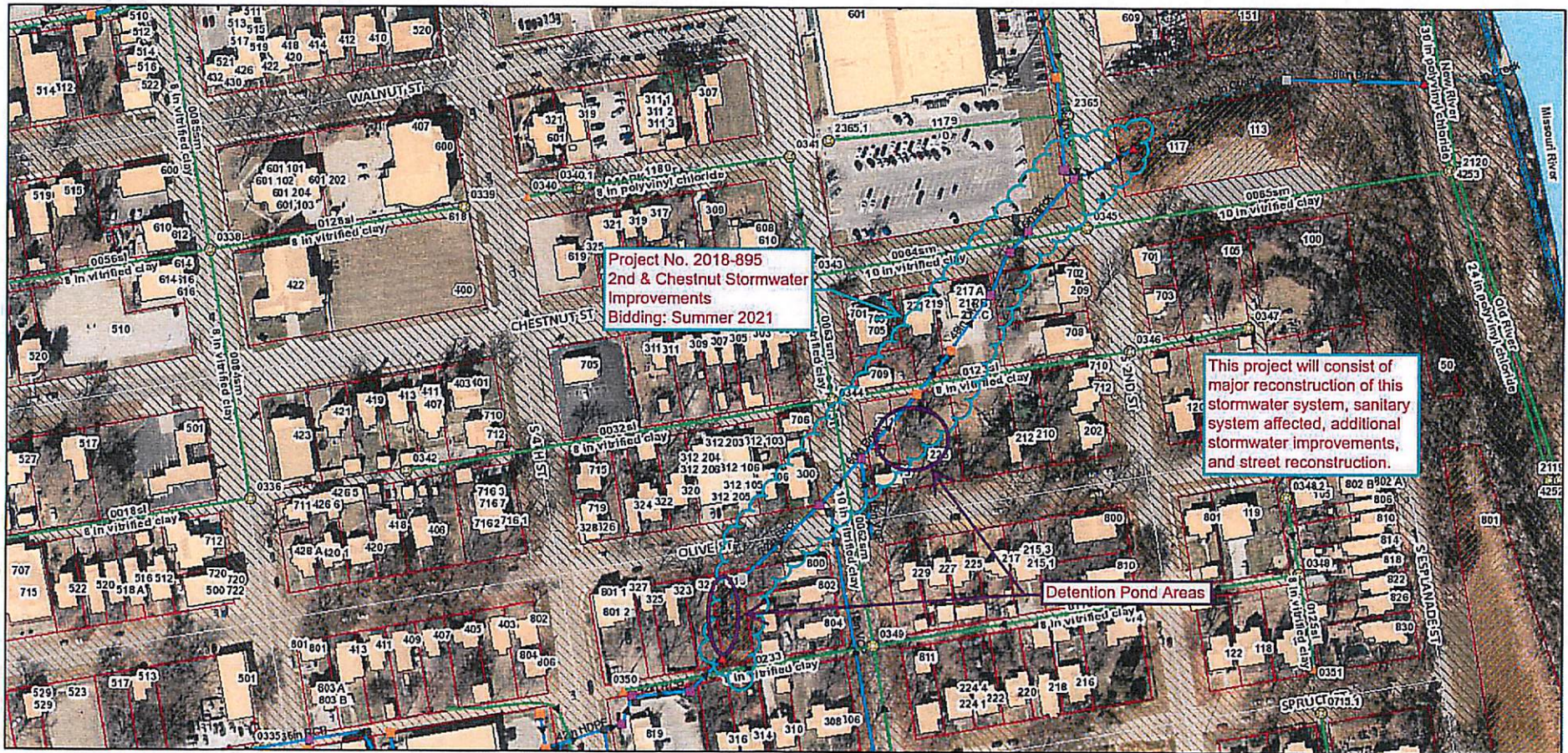
**ATTACHMENTS:**

Project Location Map

Project Overview

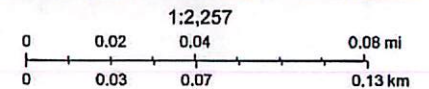
Change Order No. 1 Form & Supporting Docs.

## 2nd & Chestnut Stormwater Improvements



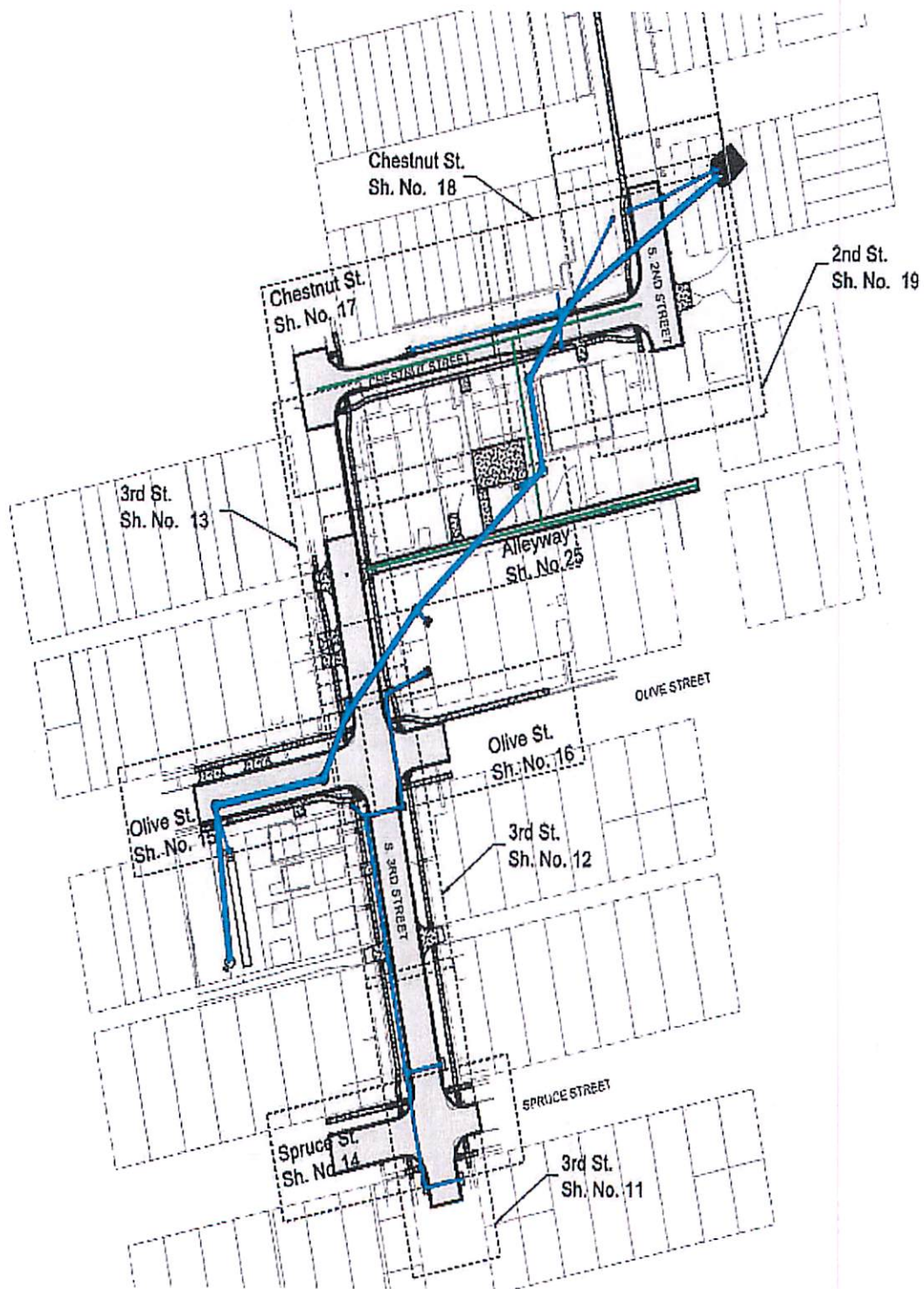
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|----------------------|-------------------|
| ssGravityMains       | ○ lamp hole       |
| <all other values>   | ■ lift station    |
| force main           | ● manhole         |
| sanitary sewage pipe | swPonds           |
| ssManholes           | swDetentionBasins |
| ● capped pipe        | ■ bioswale        |
| ▲ flush tank         |                   |



Esri, HERE, Garmin, (c) OpenStreetMap contributors, and the GIS user community

Web AppBuilder for ArcGIS



2<sup>nd</sup> and Chestnut Project Overview

**CITY OF LEAVENWORTH**  
**CHANGES IN PLANS AND CONSTRUCTION**  
**CHANGE ORDER NO.   1**

Project Name: 2018-895 2<sup>nd</sup> & Chestnut Stone Arch  
 Project Location: City of Leavenworth  
 Purchase Number: 20220104 & 20230006  
 Contract Date: July 12, 2022  
 Date Prepared: October 24, 2023

The following changes to the original contract amount were required to cover cost incurred by the Contractor or to reflect savings realized by the Contractor as a result of a change in the actual constructed quantities from the estimated quantities shown on the Bid Proposal.

Start Date: September 6, 2022  
 Performance Period: \_\_\_\_\_  
 Net Adjustments: \$ 249,670.05  
 Completion Date: October 24, 2023 (Substantial)  
 Page Number: 1

**REQUIRED CHANGES IN PRESENT CONTRACT**

Contract or Previous Quantity	Contract or Previous Unit Price	Contract or Previous Amount	Unit	Item Description	New or Adjusted Quantity	New or Adjusted Unit Price	New or Adjusted Amount
	\$	\$		Change Order Request # 1		\$	\$ 249,670.07
	\$	\$		(Line Item Overrun: + \$170,419.62)		\$	\$
	\$	\$		(Change Orders for Add'l Work: + \$79,250.45)		\$	\$
	\$	\$				\$	\$
	\$	\$				\$	\$

Previous Total: \$ 3,534,012.80

Adjusted Total: \$ 3,783,682.87  
 Net Change: \$ 249,670.07

**Statement of Contract**

Original Contract Amount \$ 3,534,012.80  
 Net Amount of Previous Additions and Deductions \$ 0  
 Net Contract Amount Prior to This Request \$ 3,534,012.80  
 Amount of This Request \$ 249,670.07  
 New Contract Amount \$ 3,783,682.87  
 Percent Change in Contract Amount 7.06 %

**CONTRACTOR:**

Company: Lexeco Construction

City, State: Leavenworth, Kansas

Signed by: *Matt P. [Signature]*

Date: 10/25/23

**PROJECT OBSERVER:**

Company: CITY OF LEAVENWORTH

Recommended by: Brian Faust *[Signature]*

Date: October 24, 2023

**ACCEPTED BY CITY OF LEAVENWORTH, KANSAS:**

Mayor/City Manager: \_\_\_\_\_

City Clerk: \_\_\_\_\_

Date: \_\_\_\_\_

2019-895 2nd & Chestnut Stone Arch Replacement  
 List of Over-Runs & Under-Runs of Line Items & Final Change Orders  
 Contractor: Lexeco Construction, Inc.

Item	Description	Unit	Original Quantity	Unit Price	Extension	Final Quantity	Quantity Difference	Under-Run (Savings)	Over-Run (Add Cost)
4	Tree Removal	EA	28	\$435.00	\$17,780.00	27.00	-1.00	-435.00	
8	Asphaltic Concrete, Surface (2")XDOT SR12.5a Superpave	TON	737	\$115.00	\$84,755.00	820.33	83.33		\$6,135.25
9	Asphaltic Concrete, Base (6")XDOT SR12.5a Superpave	TON	1,097	\$107.00	\$117,439.00	1,463.31	366.31		\$42,405.17
10	Asphaltic Concrete, Surface (4")XDOT SR12.5a Superpave	TON	107	\$232.00	\$24,824.00	127.31	20.31		\$4,713.92
11	Aggregate Base (6")IAB-3	SY	7,493	\$15.50	\$116,141.50	7,717.01	224.01		\$3,481.45
12	Geogrid Reinforcement for Base	SY	7,493	\$2.85	\$21,555.05	7,717.01	224.01		\$640.14
13	Curb & Gutter, CS-1	LF	2,481	\$39.30	\$97,503.30	2,987.00	506.00		\$19,885.80
14	Curb & Gutter, CS-1, Dry	LF	287	\$56.10	\$16,120.70	285.00	-2.00	-\$114.40	
15	Curb & Gutter, C-4	LF	10	\$140.00	\$1,400.00	0.00	-10.00	-\$1,400.00	
17	Concrete Driveway (6")	SY	630	\$87.00	\$54,810.00	1,154.33	524.33		\$45,616.71
18	Concrete Sidewalk (4")	SP	15,700	\$5.05	\$79,285.00	11,454.55	-4,245.45	-\$21,289.01	
19	Flowable Fill	CY	33	\$158.15	\$5,219.25	32.00	-1.00	-\$158.15	
22	Sealback Curb Inlet, Type 2 (30"x4")	EA	2	\$8,825.00	\$17,650.00	2.00	0.00		\$8,825.00
34	Sealback Curb Inlet, Type 2 (30"x4")	EA	2	\$9,100.00	\$18,200.00	1.00	-1.00	-\$9,100.00	
31	Storm Sewer Pipe (18" RCP)	LF	320	\$101.00	\$32,320.00	332.00	12.00		\$1,232.00
32	Storm Sewer Pipe (24" RCP)	LF	17	\$137.00	\$2,329.00	18.00	1.00		\$137.00
33	Storm Sewer Pipe (30" RCP)	LF	158	\$167.00	\$26,386.00	160.00	2.00		\$334.00
34	Storm Sewer Pipe (30" RCP)	LF	260	\$185.00	\$48,100.00	269.00	9.00		\$1,665.00
35	Storm Sewer Pipe (36" RCP)	LF	298	\$214.00	\$63,772.00	285.00	-13.00	-\$2,802.00	
36	Storm Sewer Pipe (42" RCP)	LF	114	\$278.00	\$31,692.00	116.00	2.00		\$556.00
37	Storm Sewer Pipe (48" RCP)	LF	60	\$288.00	\$17,280.00	68.00	8.00		\$2,544.00
38	Storm Sewer Pipe (72" RCP)	LF	1,034	\$990.00	\$1,023,260.00	1,067.50	33.50		\$33,411.00
44	Sanitary Sewer Pipe (8" SDR-26 PVC)	LF	620	\$163.00	\$101,960.00	631.30	11.30		\$1,849.50
45	Sanitary Sewer Pipe (10" SDR-26 PVC)	LF	418	\$167.00	\$69,786.00	474.00	56.00		\$9,342.00
46	Sanitary Service Connection	EA	4	\$1,020.00	\$4,080.00	8.00	4.00		\$4,080.00
51	6" Wood Privacy Fence	LF	110	\$38.43	\$4,227.30	136.00	26.00		\$10,036.20
52	Chainlink Fence	LF	10	\$54.43	\$544.30	0.00	-10.00	-\$544.30	
CD-3	Sanitary Sewer Spot Repair	LF	50	\$175.00	\$8,750.00	52.00	2.00		\$350.00
								Total Under-Run	-\$24,826.92
								Total Over-Run	\$196,416.54
								Final Total, Under-Run plus Over-Run	\$170,418.62

Item	Description	Unit	Original Quantity	Unit Price	Extension
1	Remove & Replace Existing Sanitary Manhole D11	LS	1.0	\$10,000.00	\$10,000.00
2	3-Tiered Verba Lock Retaining Wall	LS	1.0	\$11,000.00	\$11,000.00
3	Sanitary Sewer Spot Repair	LF	50.0	\$175.00	\$8,750.00
4	Full Depth Removal 2nd & Chestnut	LS	1.0	\$4,000.00	\$4,000.00
5	Deposit out Unsuitable Material on Other Street	CY	162.0	\$18.84	\$3,052.08
6	Cost of Rock on Other Street to Replace the Unsuitable Mat.	TON	234.0	\$12.00	\$2,808.00
7	Unsuitable Material on 2nd Street (Remove & Replace)	CY	478.4	\$12.00	\$5,740.80
8	Stored Materials Sidewalk ADA Panels for Ramps	LS	1.0	\$3,699.59	\$3,699.59
9	Credit, Stored Mat. ADA Panels, Line Item Reflects Actual	LS	1.0	-\$3,699.59	-\$3,699.59
10	Driveway Removal & Gravel at Sta-Plex	LS	1.0	\$5,000.00	\$5,000.00
Final Change Order Total:					\$79,250.45

Final Total Change Order to the City Commission: \$249,670.07



Leavenworth Excavating & Equipment Co., Inc.

Date: 09/23/2022

Valued Customer:

We are pleased to quote the following prices for the below referenced project. Prices are valid for 30 days from the date above.

Project No: 2nd & Chestnut

Bid Date:

Project Name: Price for Extra Sanitary Manhole

Bid Item Code	Description	Quantity	Unit	Unit Price	Ext Price
1	REMOVE AND REPLACE SANITARY MANHOLE EX1	1.000	LS	\$20,000.00	\$20,000.00
<b>Grand Total:</b>					<b>\$20,000.00</b>

Notes: Price is for removing Sanitary Sewer Manhole EX1. Price includes furning and installing new Sanitary Sewer Manhole EX1.

CITY OF LEAVENWORTH  
ENGINEERING DEPARTMENT

DATE: 9/23/22

REVIEWED BY: MB

APPROVED  APPROVED AS NOTED  REJECTED

*[Signatures]*





Leavenworth Excavating & Equipment Co., Inc.

Date: 11/03/2022

Valued Customer:

We are pleased to quote the following prices for the below referenced project. Prices are valid for 30 days from the date above.

Project No: 2nd & Chestnut

Bid Date:

Project Name: Price for Block Retianing Wall at 6 Plex

Bid Item Code	Description	Quantity	Unit	Unit Price	Ext Price
1	3-TIRED 3' HT VERSA LOCK RETIANING WALL	1.000	EA	\$21,090.00	\$21,090.00
<b>Grand Total:</b>					<b>\$21,090.00</b>

Notes: Installation of 3' Tired 3' HT Versa-Lok Retaining wall with pins and cap, backfilled with clean gravel, underdrain system, and 12" of Topsoil

CITY OF LEAVENWORTH  
ENGINEERING DEPARTMENT

DATE: 11/3/22

REVIEWED BY: ms

APPROVED  
 APPROVED AS NOTED  
 REJECTED

*[Signature]*



P (913) 727-1234 F (913) 727-1270 / 5037 S. 4th Street / Leavenworth, KS 66048  
LEXECO.com



Leavenworth Excavating & Equipment Co., Inc.

Date: 01/24/2023

Valued Customer:

We are pleased to quote the following prices for the below referenced project. Prices are valid for 30 days from the date above.

Project No:

Bid Date:

Project Name: Price for 10" Sanitary Sewer

Bid Item Code	Description	Quantity	Unit	Unit Price	Ext Price
1	10" SANITARY SEWER	50.000	LF	\$ 275.00	\$13,750.00
Grand Total:					\$13,750.00

$12.0 \text{ LF} \times 275.00 = 3300.00$   
 $52.0 \text{ LF} \times 275.00 = 14300.00$   
 $550.00 = \text{OVER-RUN}$   
 $14300.00$

*MRS*

CITY OF LEAVENWORTH  
ENGINEERING DEPARTMENT  
DATE: 1/24/23  
REVIEWED BY: *MRS*

APPROVED  
 AS NOTED  
 REJECTED

*[Signature]*



P (913) 727-1234 F (913) 727-1270 / 5037 S. 41th Street / Leavenworth, KS 66048  
LEXECO.com



Leavenworth Excavating & Equipment Co., Inc.

Date: 03/31/2023

Valued Customer:

We are pleased to quote the following prices for the below referenced project. Prices are valid for 30 days from the date above.

Project No: 2nd & Chestnut

Bid Date:

Project Name: Price for Extra Street on Chestnut

Bid Item Code	Description	Quantity	Unit	Unit Price	Ext Price
1	REMOVALS	1.000	LS	\$6,000.00	\$6,000.00
80	ASPHALTIC CONCRETE, SURFACE (2") (KDOT SR-12.5A SU	72.000	TON	\$ 115.00	\$8,280.00
90	ASPHALTIC CONCRETE, BASE (6") (KDOT SR-12.5A SUPER	215.000	TON	\$ 107.00	\$23,005.00
110	AGGREGATE BASE (6") (AB-3)	648.000	SY	\$ 15.50	\$10,044.00
120	GEOGRID REINFORCEMENT FOR BASE	648.000	SY	\$ 2.85	\$1,846.80
130	CURB & GUTTER, CG-1	191.000	LF	\$ 39.30	\$7,506.30
<b>Grand Total:</b>					<b>\$56,682.10</b>

*3 CHANGE ORDER*  
*LINK ITEMS OVER-RUN*  
*TOTAL*  
*MED*

Tax Exempt: Yes/No Acknowledge Addendums:

Notes:

Price is for Removing Asphalt on Chestnut from Sta. 42+28 to Sta. 40+26, and on 3rd Street from Sta. 19+26 to 18+49. These areas we are called out to be milled and overlaid.

Removal price also includes removing approximately 191 LF of Curb on the South Side of Chestnut.

All quantities for all other items are approximat and will be paid and the contract unit price for quantity installed

CITY OF LEAVENWORTH  
ENGINEERING DEPARTMENT  
DATE: 4/6/23  
REVIEWED BY: MD

APPROVED  APPROVED  REJECTED  
AS NOTED

*[Signature]* PM

P (913) 727-1234 F (913) 727-1270 / 503 S. 4th Street, Leavenworth, KS 66048 LEXECO.com



Leavenworth Excavating & Equipment Co., Inc.

Date: 05/11/2023

Valued Customer:

We are pleased to quote the following prices for the below referenced project. Prices are valid for 30 days from the date above.

Project No: 2nd & Chestnut

Bid Date:

Project Name: Fixing Soft Spots on Olive Street outside of Trenc

Bid Item Code	Description	Quantity	Unit	Unit Price	Ext Price
1	DIGGOUT OUT UNSUITABLE MATERIAL AND PLACING AB-3	162.000	CY	\$ 18.84	\$3,052.08
2	COST OF ROCK WITH NO HAUL	334.000	TONS	\$ 12.00	\$4,008.00
Grand Total:					\$7,060.08

CITY OF LEAVENWORTH  
ENGINEERING DEPARTMENT

DATE: 5/11/23

REVIEWED BY: [Signature]

APPROVED  
 APPROVED AS NOTED  
 REJECTED

[Signature] PM



Leavenworth Excavating & Equipment Co., Inc.

Date: 05/11/2023

Valued Customer:

We are pleased to quote the following prices for the below referenced project. Prices are valid for 30 days from the date above.

Project No: 2nd & Chestnut

Bid Date:

Project Name: Soft Spots on 3rd Street

Bid Item Code	Description	Quantity	Unit	Unit Price	Ext Price
1	FIXING SOFT AREAS ON 3RD STREET	478.400	CY	\$ 12.02	\$5,750.37
Grand Total:					\$5,750.37

CITY ENGINEER

DATE: 5/11/23

REVIEWED BY: MTS

APPROVED APPROVED AS TOTAL

*[Handwritten signatures and initials]*



Leavenworth Excavating & Equipment Co., Inc.

Date: 09/28/2023

Valued Customer:

We are pleased to quote the following prices for the below referenced project. Prices are valid for 30 days from the date above.

Project No: 2nd & Chestnut

Bid Date:

Project Name: Demo DRiveway a six-plex

Bid Item Code	Description	Quantity	Unit	Unit Price	Ext Price
1	DRIVWAY REMOVAL & GRADING	1.000	LS	\$5,600.00	\$5,600.00
<b>Grand Total:</b>					<b>\$5,600.00</b>

Notes: Price is to remove approximately 29'X 12' Driveway. regrade dirt between the driveway and haul off approximately 3 loads of dirt.

The price four pouring the concrete driveway back will be paid the the contract unit price.

CITY OF LEAVENWORTH  
ENGINEERING DEPARTMENT

DATE: 9/28/23

REVIEWED BY: MB

APPROVED  
 REJECTED

[Signature] PM



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LEXECO.com