

RESOLUTION NO. R-25-23

A RESOLUTION AUTHORIZING CHANGE ORDER NO. 1 IN THE AMOUNT OF \$106,290.00 TO THE CONTRACT WITH FLESHMAN CONSTRUCTION, INCORPORATED, FOR THE NORTHEAST 76TH TERRACE STORM DRAINAGE AND PARKING IMPROVEMENTS, PROJECT CP2531.

WHEREAS, additional work under the Northeast 76th Terrace Storm Drainage and Parking Improvements Project CP2531 has been determined necessary and is recommended by the Director of Public Works.


NOW, THEREFORE, BE IT RESOLVED BY THE COUNCIL OF THE CITY OF GLADSTONE, MISSOURI, AS FOLLOWS:

THAT, the City Manager of the City of Gladstone, Missouri, is hereby authorized to execute Change Order No. 1 to the Northeast 76th Terrace Storm Drainage and Parking Improvements, Project CP2531 with Fleshman Construction, Incorporated, as follows:

Original Contract Amount:	\$ 662,815.34
Change Order 1	<u>106,290.00</u>
Revised Contract Amount:	769,105.34

FURTHER, THAT, funds for such purpose are authorized from the CWSS Fund.

INTRODUCED, READ, PASSED, AND ADOPTED BY THE COUNCIL OF THE CITY OF GLADSTONE, MISSOURI, THIS 28TH DAY OF APRIL 2025.



Mayor Les Smith

ATTEST:



Kris Keller, City Clerk



Request for Council Action

RES ☒ # R-25-23

BILL ☐ # City Clerk Only

ORD # City Clerk Only

Date: 4/22/2025

Department: Public Works

Meeting Date Requested: 4/28/2025

Public Hearing: Yes ☐ Date: Click here to enter a date.

Subject: Change Order No. 1 to the NE 76th Terrace Storm Drainage & Parking Improvements, Project CP2531

Background: The contract for Project CP2531 was awarded to Fleshman Construction, Inc. as authorized by Resolution R-25-07. Change Order No. 1 expands the scope of work to include the following work in the installation of three (3) pressure reducing valves to reduce system pressures in the southeast part of the City.

Budget Discussion: A financial breakdown of the contract is as follows:

Original Contract Amount:	\$ 662,815.34
Change Order 1	<u>106,290.00</u>
Revised Contract Amount:	769,105.34

Funds are available from the CWSS Fund.

Public/Board/Staff Input: Please see the attached memorandum prepared by staff.

Provide Original Contracts, Leases, Agreements, etc. to: City Clerk and Vendor.

Timothy A. Nebergall
Department Director/Administrator

JA
City Attorney

BB
City Manager



Department of Public Works

Memorandum

DATE: April 22, 2025

TO: Robert M. Baer, City Manager

FROM: Timothy A. Nebergall, Director of Public Works

RE: Water Main Breaks and Pressure Reducing Valve Installation Recommendations

Over the past year, the City has experienced a significant number of water main breaks which are attributable to our aging water infrastructure. Notably, a number of these recent breaks have occurred in areas of the City where the average system pressure exceeds 100 psi. For reference, optimal water system pressures typically range between 60 and 80 psi. Pressures significantly higher than this can increase stress on water mains and household plumbing, especially in older infrastructure, contributing to a higher likelihood of system failures. Average system pressures are shown on the attached Figure 7.1.

The 2009 Water Sustainability Master Plan reviewed long-term solutions for pressure management and evaluated the installation of pressure reducing valves (PRVs) at various locations across the City as shown on the attached Figure 7.6. Following a recent review of these recommendations, City staff proposes the installation of two new PRVs at the following locations:

- NE 56th Terrace, just east of N. Indiana Avenue
- N Cleveland, just south of NE 64th Street

These PRVs will reduce system pressures in the area generally located east of N. Indiana and N. Bales and south of NE 64th Street and will include the neighborhoods of Brooktree and Carriage Hill. Additionally, staff is currently evaluating the feasibility of installing a third PRV on NE Shady Lane, just east of N. Indiana Avenue.

If this program proves successful in reducing system pressure and mitigating water main breaks, staff will consider expanding the initiative to other areas of the City where pressures are also elevated.

This recommendation comes after careful consideration of several critical factors, including:

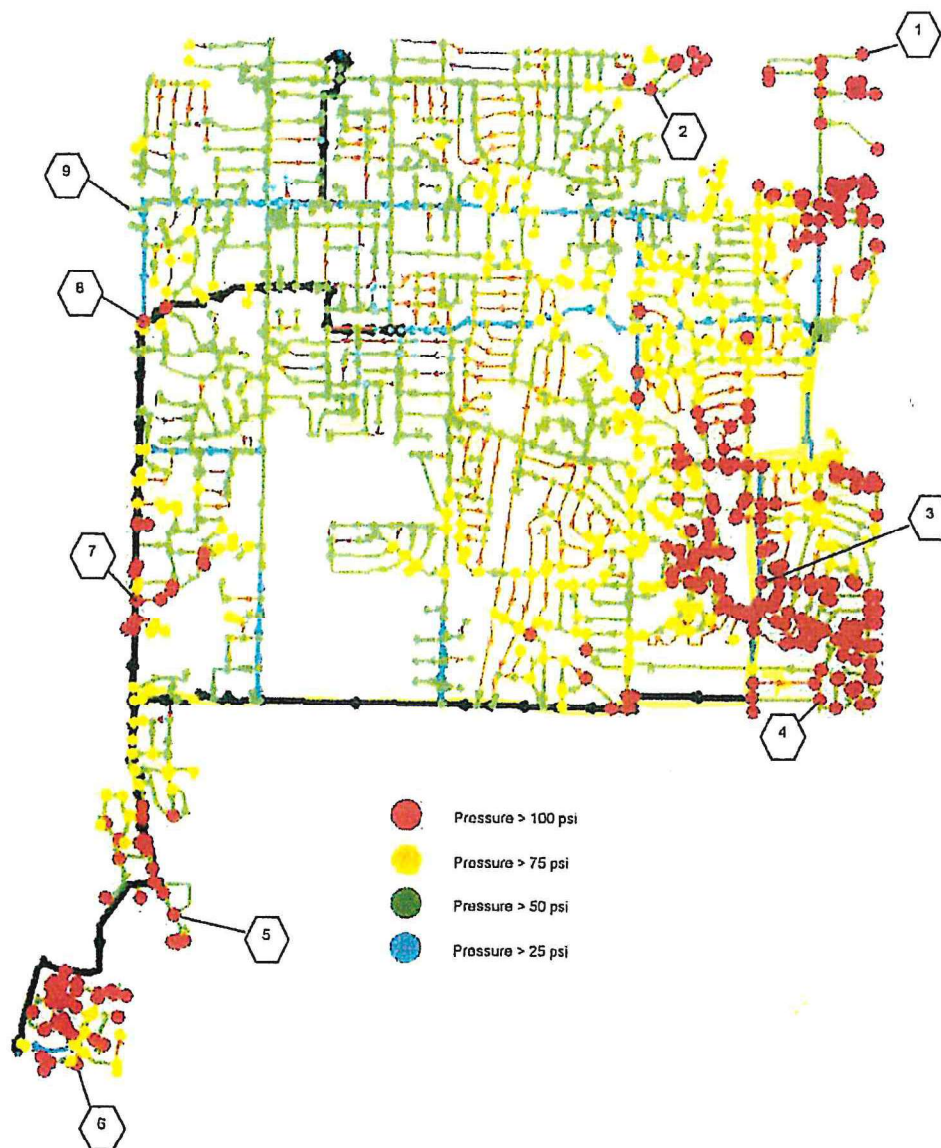
- Ongoing maintenance requirements for PRVs
- The time and cost associated with frequent water main repairs and replacements
- Ensuring continued, reliable fire protection service
- Maintaining sufficient transmission capacity to adequately fill the system's water towers

Staff will continue to monitor system performance and provide updates and recommendations as this program progresses.

If you have any questions, please contact me.

WATER SUSTAINABILITY MASTER PLAN
CITY OF GLADSTONE

Figure 7.1
Model Diagram



WATER SUSTAINABILITY MASTER PLAN
CITY OF GLADSTONE

Figure 7.6
Pressures after improvements and PRV's have been installed

