

February 5, 2026
Project No. 210262

Adam Smith
City Manager
City of Grand Ledge
310 Greenwood Street
Grand Ledge, MI 48837

Change Order 16 – Final Change Order - City of Grand Ledge Iron Removal Plant, Description, and Impact

The following is a description of the items for Change Order 16 of the Grand Ledge Iron Removal Plant Project:

Contract Modifications from Change Order:

- Original Contract Price – \$17,338,148.00
- Contract Price following previous Change Orders – \$17,455,438.42
- Modification to Contract Price from Change Order 16 – (\$91,260.00)
- Modification to Contract Price from all Change Orders – \$26,030.42
- Revised Contract Price with current Change Order – \$17,364,178.42
- Change Order as percentage of original Contract Price (without Value Engineering or Settlement) – 2.00%

Table 1 – Change Order 16 Monetary Impact Breakdown

Item No.	Item Description	Contract Modification	Cumulative Contract Price
1	Drain Piping Extension in Pipe Trench	\$8,740.00	\$17,464,178.42
2	Settlement with RK Davis	(\$100,000)	\$17,364,178.42

Narrative Description of Change Order

Change Order 16 includes a cost for extension of drain piping from various sources to floor drains in the pipe trench and a final adjustment of the contract price and completion dates to reflect the settlement between RK Davis and the City of Grand Ledge.

The items are as follows:

ITEM NO. 1

- Extension of Drain Piping in Pipe Trench
 - Water from discharge of equipment drain piping to the floor of the pipe trench was pooling on the pipe trench floor. Fishbeck will pay for these charges. The drain piping was extended directly to floor drains in the pipe trench to eliminate the pooling. The cost presented is for materials and labor associated with this change.

ITEM NO. 2

- RK Davis and City Settlement
 - Due to the project being completed after the original substantial completion date, the City and RK Davis reached a settlement of a reduction in contract price of \$100,000, and the adjustment of the substantial completion date to October 3, 2025, the date the treatment plant was fully in service.

Impact to Project

The items within this Change Order reduce the total contract price by \$91,260.00. The adjustment in contract times reflects the settlement between RK Davis and the City and sets the substantial completion warranty date to October 3, 2025.

If you have any questions or require additional information, please contact me at 616.464.3825 or cmccorkle@fishbeck.com.

Sincerely,



Colin G. McCorkle, PE

Senior Water and Wastewater Engineer

Attachments

By email

Copy: Kurt Ristow – City of Grand Ledge
Dave Baar, PE – Fishbeck
John Willemin, PE – Fishbeck

CHANGE ORDER
 PAGE 1 OF 2

CONTRACT FOR:	City of Grand Ledge Iron Removal Plant
OWNER:	City of Grand Ledge 310 Greenwood Street Grand Ledge, MI 48837
CONTRACTOR:	RK Davis, Inc. 4457 40th Street, SE Kentwood, MI 49512
ENGINEER:	Fishbeck 1515 Arboretum Drive, SE Grand Rapids, MI 49546
ATTACHMENTS:	RK Davis Settlement Letter
Contractor shall indicate approval of Change Order through signing of this document and returning to Engineer. Engineer will forward to Owner, who shall indicate approval of Change Order through signing of this document and returning to Engineer. Upon receipt of fully executed (all signatures) Change Order, Engineer will distribute to all parties.	
YOU ARE DIRECTED TO MAKE THE FOLLOWING CHANGES IN THE CONTRACT DOCUMENTS:	
The following items changing the contract documents were chosen by the Owner for execution:	
<u>ITEM NO. 1:</u> Extension of Piping to Drains in Pipe Trench	
A. Drain piping from various sources was extended to the floor drains in the pipe trench.	
ADD: \$8,740	
<u>ITEM NO. 2:</u> Adjustment of Substantial Completion Date and Contract Price per Settlement Letter	
A. Substantial Completion Date and Final Contract Price adjusted per Settlement Letter/Agreement.	
DEDUCT: \$100,000	

CHANGE IN CONTRACT PRICE:	CHANGE IN CONTRACT TIMES: N/A
Original Contract Price:	Original Contract time: <u>March 7, 2023</u>
<u>\$17,338,148.00</u>	Substantial Completion: <u>January 16, 2025</u>
	Ready for final payment: <u>February 17, 2025</u>
Net Change from Previous Change Orders: 1-15	Net change from previous Change Orders:
<u>\$117,290.42</u>	<u>14 Days</u>
Contract Price prior to this Change Order:	Contract Time prior to this Change Order:
<u>\$17,455,438.42</u>	Substantial Completion: <u>January 30, 2025</u>
	Ready for final payment: <u>March 3, 2025</u>
Net decrease of this Change Order:	Net change of this Change Order:
<u>(\$91,260.00)</u>	<u>246 Days</u>
Contract Price with all approved Change Orders:	Contract Time with all approved Change Orders:
<u>\$17,364,178.42</u>	Substantial Completion: <u>October 3, 2025</u>
	Ready for final payment: <u>February 10, 2026</u>

CHANGE ORDER
PAGE 2 OF 2

RECOMMENDED

By: Colin G. McCorkle
Engineer

Colin G. McCorkle, PE
Senior Water/Wastewater Engineer

Date: February 2, 2026

APPROVED

By: Peter C. Elzinga
Contractor

Peter C. Elzinga, P.E., Project Manager
Name and Title of Signatory

Date: February 2, 2026

APPROVED

By: Adam Smith
Owner

Adam Smith, City Manager
Name and Title of Signatory

Date: 2/9/26

END OF CHANGE ORDER

January 21, 2026

Mr. Adam Smith
City Manager
City of Grand Ledge
310 Greenwood Street
Grand Ledge, MI 48837

RE: New Iron Removal Plant

Dear Adam:

Thank you for meeting with us recently to discuss the completion and closeout of the City's new Iron Removal Plant. We are proud of the facility that we have delivered for the Citizens of Grand Ledge, and we believe that it will serve your community for many years.

We understand that the Community is trying to understand and reconcile why the facility wasn't placed into service until the week of October 3rd when the original completion date was several months earlier. This can be partially explained by looking at changed site conditions, delays in the manufacturing of the electrical gear, delays from EGLE in approving the new iron removal plant, delays in the manufacturing of the Kirk Key Electrical Safety interlock Devices, and a change in the sequence of construction for the remote well and booster station controls updates.

When construction began, we started on the buried detention tank, located partially under the building, and we installed a typical well point dewatering system. This was on the recommendation of our dewatering subcontractor who had studied the soil borings and geotechnical report. Unfortunately, the soil didn't percolate as expected and very little water was removed. We proceeded with excavating and as we neared the bottom elevation of the tank, we noticed a three-to-four-foot seam of silty-clayey-sand that was oozing into our excavation from all sides. Because this was creating an unsafe excavation, we decided to install a sheet piling earth retention system. This system was also installed for the backwash tank. These earth retention systems caused a six-week delay in our schedule and cost RK Davis over \$325,000. In hindsight, we realize that we should have submitted a claim for this but it's our nature to get the job done.

We faced another delay when Centennial Electric notified us that the manufacturing of the Electrical Motor Control Centers was delayed. We notified the Engineer and formally requested a 29-day time extension in notices dated 09/24/2025 and 12/03/2025.

Start-up and testing of the iron removal filters began on March 17, 2025. The filters were run daily to prove their effectiveness with the filtered water wasting to the sanitary sewer. Water quality tests were conducted and submitted to EGLE who finally gave approval to utilize the new plant for public use on August 4th, 2025. The delays by EGLE were not related to the operation or performance of the Iron Removal Plant.

On August 5th, we were notified by Fishbeck that the City was not able to place the plant into service due to the missing Kirk Key MCC safety interlock devices and related risks for damaging the MCC's. The Kirk Keys are used to isolate and transfer emergency (generator) power between MCC N and MCC SB. Primary and secondary electrical systems, such as pump motors, are fed from different MCC's to provide additional redundancy should a problem occur with one of the MCC's. Eaton, the MCC supplier, had twice incorrectly manufactured the Kirk Keys and the correct sets had not been installed yet. Once we were notified that this would delay start-up we communicated with the Electrical Contractor and the City and developed a plan wherein Centennial Electric would have one of two Master Electricians on call to manually perform the transfer, should it be necessary. This procedure was approved on August 19th.

Lastly, as part of the new project there were electrical and control upgrades at well houses 2, 7, and the booster station. The sequence of work for these upgrades was changed, and we were not allowed to complete this work until just prior to or in conjunction with putting the new IRP into service. Well house 2, which was part of the Raw Water Project and not the Iron Removal Plant, was chosen to be completed first and was completed on September 5. Unfortunately, the Process Controls Programmer, who had been working closely with Fishbeck on the control's automation sequence had a prior commitment and was working outside of Michigan from September 15 to September 26. The City was not comfortable having another individual completing these control upgrades or trouble shooting issues that might arise at the IRP after the plant was operating. For these reasons, the City chose to delay the controls updates and start-up of the plant until he returned to Michigan. The well 7 controls upgrades began on 09/29/2025, the new plant was put into service on 10/01/25 and the booster station controls were completed on 10/03/2025.

Because we value our past and ongoing relationship with the City of Grand Ledge, we are willing to offer the following considerations to close out this project.

- 1) RK Davis, Inc. will agree not to pursue a claim for the installation of the earth retention systems due to the changed subsurface soil conditions.
- 2) RK Davis, Inc. will agree to begin the one-year warranty period for the Iron Removal Plant and Controls work on October 3, 2025.
- 3) RK Davis will not submit claims for additional requested finish work requested by the City of Grand Ledge including trim at the skylights, extending the roof downspouts, or reducing standing water on the tops of the level aeration tanks.

- 4) RK Davis, Inc. will accept a deductive change order for \$100,000.
- 5) The City of Grand Ledge will agree to release RK Davis Inc. from all claims for liquidated damages related to substantial and final completion.
- 6) The City of Grand Ledge will pay Franklin Holwerda Company \$8,740 for the work to extend the air release and other drains in the piping gallery lower floor area.

We hope that this meets your approval and we look forward to a favorable response.

Sincerely,

RK Davis, Inc.



Peter C. Elzinga, P.E.
Vice President

Cc: Rob Kaliniak
John Willemin, Fishbeck