



# Waukesha Water Utility

SERVING WAUKESHA SINCE 1886

115 DELAFIELD STREET  
WAUKESHA, WI 53188-3615

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## **MEMORANDUM**

Date: October 20, 2021

To: Dan Duchniak, P.E.

From: Chris Walter, P.E.

Re: Madison Street Bridge Water Main Re-Lining

As part of the 2022 West St. Paul Avenue Improvements project, a portion of Madison Street is being reconstructed. Our existing water main is 16-inch cast iron from 1908 and runs under the river at Madison Street and Bank Street. Due to the limits of proposed construction and existing site constraints, a determination was made to re-line the water main rather than directionally drill a new main. Soil borings were conducted in 2020 as part of the investigation as well.

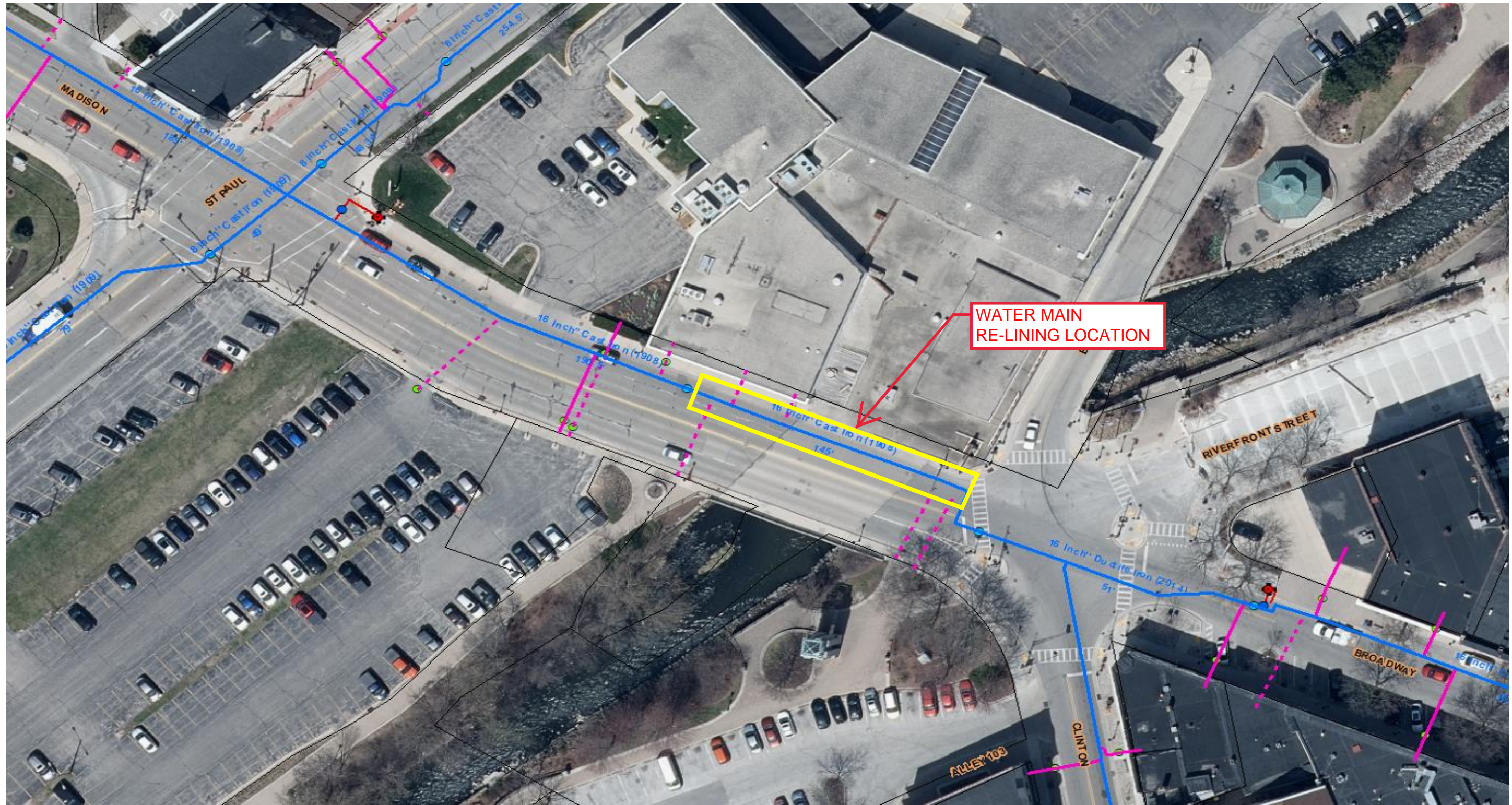
Rather than complete this work with the West St. Paul Avenue project in 2022, it is more economical as well as seamless in terms of construction, to complete the work ahead of time. We successfully completed a very similar approach on the Barstow reconstruction project, where we re-lined the water main under the Barstow Street bridge in advance of that project taking place and it worked very well.

This week, approval was obtained from DNR and the contractor notified us that they are available to complete the project in early to mid-November. Therefore, Water Commission approval at this month's meeting is requested and required for approval.

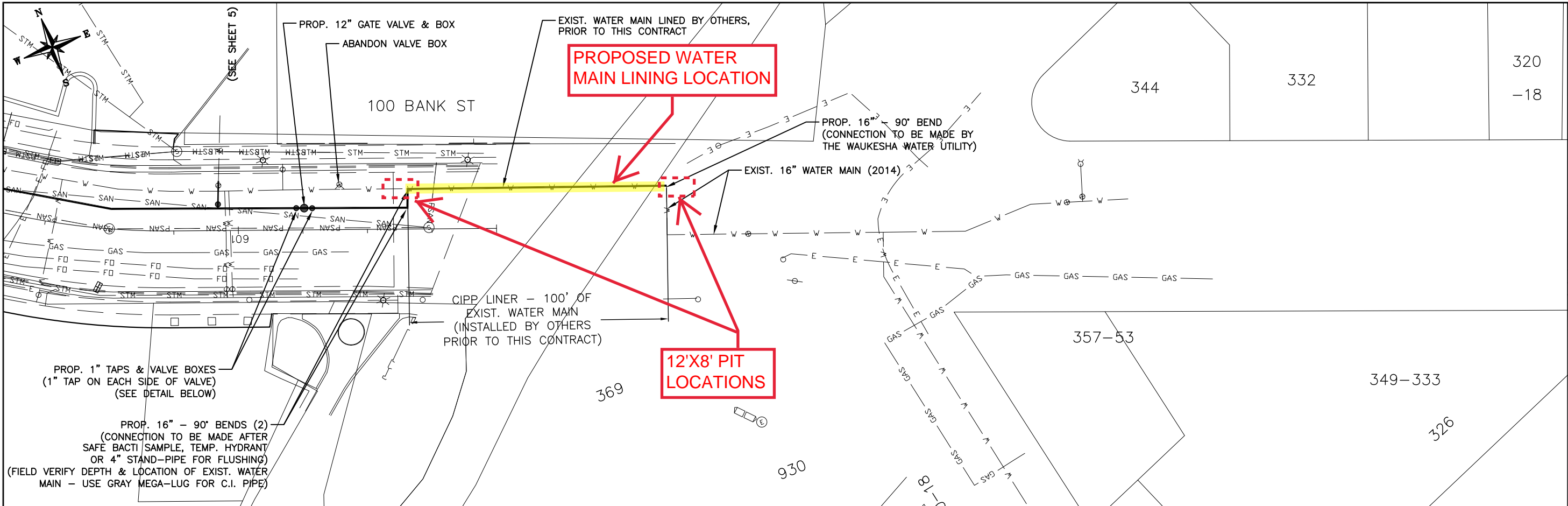
The project involves the lining of approximately 140 feet of 16-inch water main. A location map and design drawing of the work is enclosed with this memo. The contractor is Fer-Pal Construction and we have used them on past projects, including the aforementioned Barstow Street re-lining project.


**Recommended Motion:** Approve the water main lining on Madison Street in the amount of \$77,800.00 by Fer-Pal Construction.







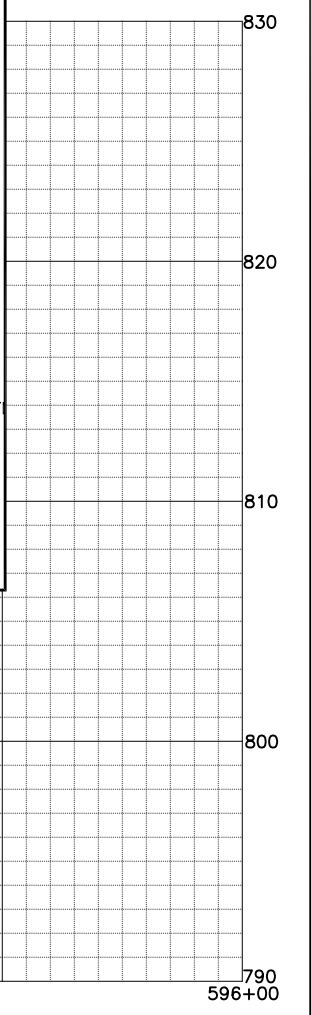
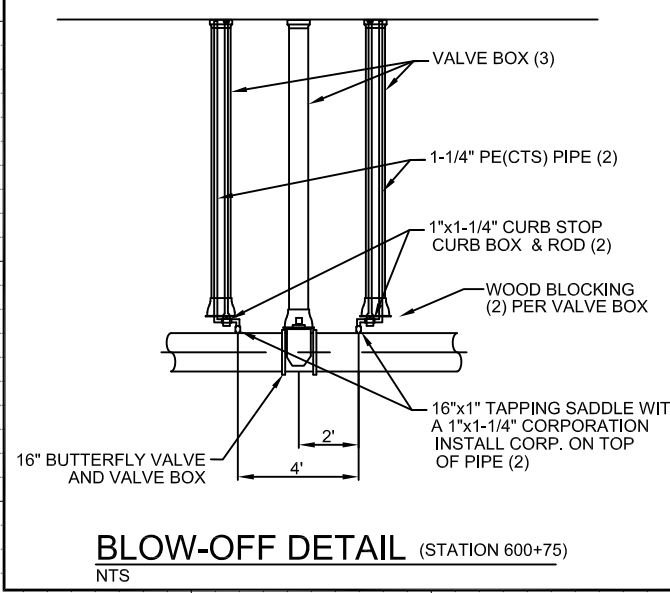
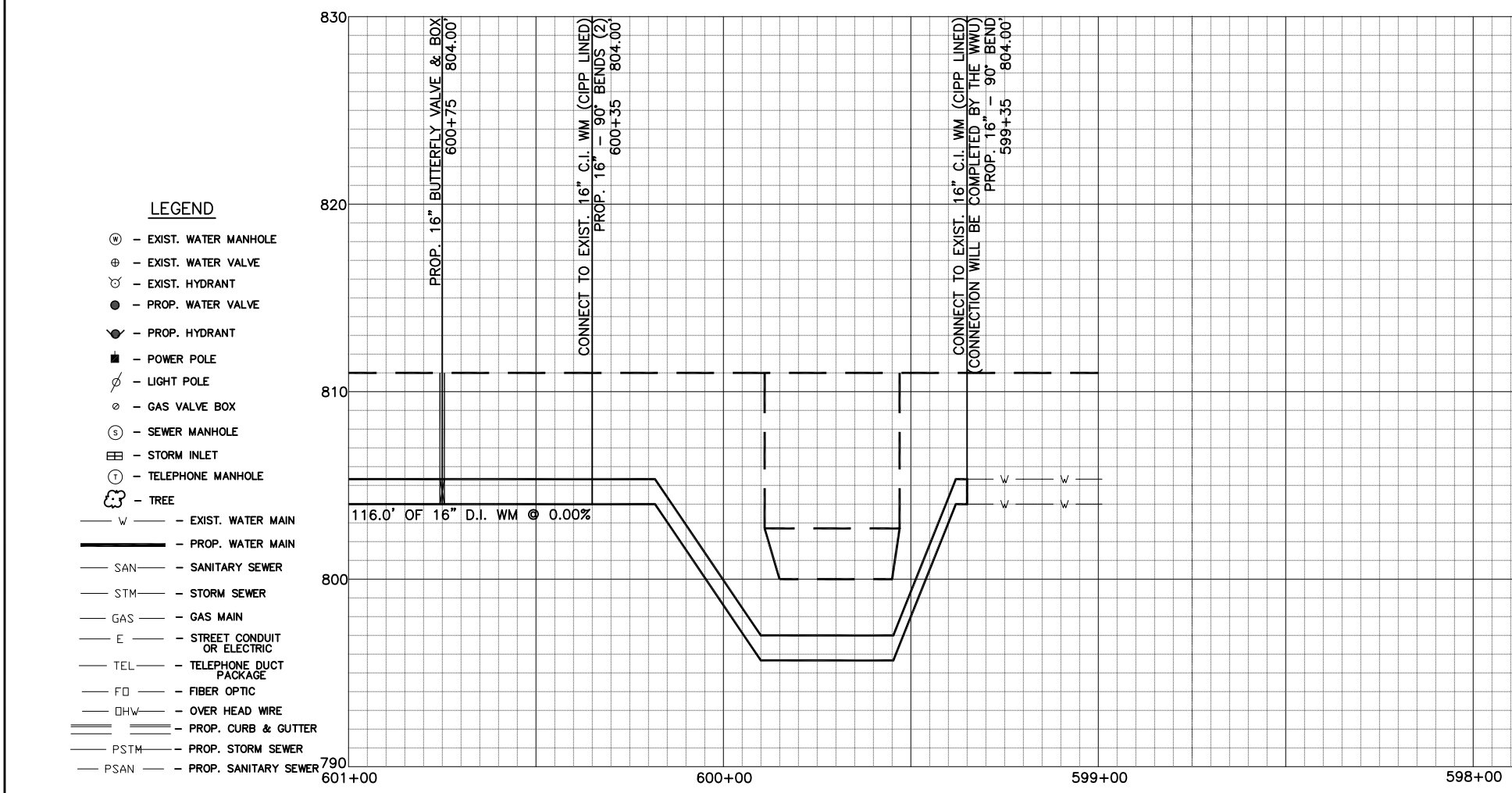




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Water  
Utility**

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Waukesha, WI 53188  
Phone 262-521-5272  
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REVISIONS		
description	by	date



Water Main Replacement  
**ST. PAUL AVENUE**  
FROM: MOUNTAIN AVENUE  
TO: MADISON STREET

SCALE: 1" = 20'  
1" = 4' (VERT)

DATE: XX-XX-XXXX

drawn by : TAK

checked : CJW

project : M00546

file : /MAIN/2022/St. Paul Ave.

SHEET 6 of 7