

State of Wisconsin
DEPARTMENT OF NATURAL RESOURCES
101 S. Webster Street
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Madison WI 53707-7921

Tony Evers, Governor
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May 4, 2021

MACKENZIE REED-KADOW CLERK
CITY OF MANITOWOC
900 QUAY ST
MANITOWOC WI 54220

Project Number: W-2021-0322
PWSID#: 43603648
DNR Region: NER
County: Manitowoc

WATER MAIN PLAN AND SPECIFICATION APPROVAL

Water system name: Manitowoc Waterworks

Date received: 03/26/2021

Engineering firm: Manitowoc Public Utilities

Professional Engineer: Rob Michaelson

DNR Plan Reviewer: Miranda Mello, 101 South Webster Street, Madison, WI 53703, (608) 843-8233,
miranda.sachtschale@wisconsin.gov

Project description: Water main replacement on Custer Street consisting approximately 1,900 feet of 8-inch diameter DR 18 PVC water main pipe.

Private water mains and water services may require plan review by Department of Safety and Professional Services (DSPS) and are not reviewed or approved by the Department of Natural Resources. Contact DSPS at 608-267-9421 for further information on potential need for plan review.

Condition(s) of approval:

1. A resident project representative shall be designated by the water supply owner or by the agent retained by the owner. The resident project representative shall be knowledgeable regarding the proposed construction and be able to ensure the improvements are being constructed in accordance with the department approved plans, specifications, and conditions of the approval. The project representative shall be present on the work site as need to assure proper construction and installation of the improvements. (s. NR 811.11, Wis. Adm. Code)
2. After construction, maintenance, repair or modification, waterworks facilities shall be disinfected by procedure outlined in the applicable AWWA standards for wells, water mains, storage facilities or treatment facilities. Waterworks may not be placed in service until bacteriological samples have established that the water is bacteriologically safe. (s. NR 810.09(4), Wis. Adm. Code)
3. Hydrant drains may not be located within 8 feet of sanitary sewers, storm sewers, or storm sewer inlets. (s. NR 811.71(4), Wis. Adm. Code)
4. Wherever water mains cross over sewers, a minimum vertical clearance of 6 inches from the bottom of the water main to the top of the sewer shall be maintained. Wherever water mains cross under sewers, a minimum vertical clearance of 18 inches from the top of the water main to the bottom of the sewer shall

be maintained. At crossings, one full length of water main pipe shall be centered on the sewer so that both joints are as far from the sewer as possible. (s. NR 811.74 (3), Wis. Adm. Code)

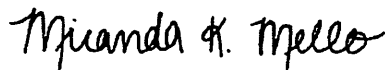
5. All tees, bends, plugs, and hydrants shall be provided with reaction backing, tie rods, or joints designed to prevent movement. (s. NR 811.73 (2)(f), Wis. Adm. Code)
6. All water main pipe shall be pressure and leakage tested to meet at a minimum the requirements as set forth in AWWA Standard C600-93. (s. NR 811.73 (2)(c), Wis. Adm. Code)
7. All proposed water mains shall be installed in the public right-of-way or permanent utility easements. (s. NR 811.68 (2), Wis. Adm. Code)

Approval constraints: The project was reviewed in accordance with s. 281.41, Wis. Stats. for compliance with Chapters NR 108, NR 810 and NR 811, Wis. Adm. Code and is hereby approved in accordance with s. 281.41, Wis. Stats. subject to the conditions listed above. This approval is valid for four years from the date of approval.

Appeal rights: If you believe that you have a right to challenge this decision, you should know that the Wisconsin Statutes and administrative rules establish time periods within which requests to review Department decisions must be filed. To request a contested case hearing pursuant to s. 227.42, Wis. Stats., you have 30 days after the decision is mailed, or otherwise served by the Department, to serve a petition for hearing on the Secretary of the Department of Natural Resources. Requests for contested case hearings must be made in accordance with ch. NR 2, Wis. Adm. Code. Filing a request for a contested case hearing does not extend the 30-day period for filing a petition for judicial review. For judicial review of a decision pursuant to ss. 227.52 and 227.53, Wis. Stats., you must file your petition with the appropriate circuit court and serve the petition on the Department within 30 days after the decision is mailed. A petition for judicial review must name the Department of Natural Resources as the respondent.

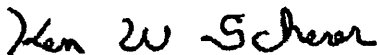
STATE OF WISCONSIN
DEPARTMENT OF NATURAL RESOURCES

Project Plan Reviewer



Miranda K. Mello
Public Water Engineering Section
Bureau of Drinking Water and Groundwater

For the Secretary



Ken W. Scherer, P.E.
Public Water Engineering Section
Bureau of Drinking Water and Groundwater

cc: Rob Michaelson – Manitowoc Public Utilities (by email)