



March 6, 2020

Project Number: S-2019-0870
CWF Loan Number: 4062-05, 4062-11

Daniel Duchniak, General Manager
City of Waukesha Water Utility
P.O. Box 1648
Waukesha, WI 53187

Subject: Approval of return flow pipeline and outfall facilities

Dear Mr. Duchniak:

The Department of Natural Resources (Department) is conditionally approving plans and specifications for the return flow pipeline and outfall facilities at Waukesha, Wisconsin, submitted under the seal of Andrew J. Martin, Professional Engineer, Greeley and Hansen, LLC, Chicago, Illinois, and received for approval on November 1, 2019. Time extensions totaling 30 days were granted to extend the Department's 90 day statutory review period.

The conditionally approved documents comprise Contract Packages 5 and 6 of the City of Waukesha's Great Water Alliance Program. The return flow pipeline will be installed starting at the City of Waukesha's existing wastewater treatment facility and extending to the proposed outfall facilities in the City of Franklin at the Root River. The conditionally approved plans and specifications also include gravity sewer which will replace existing gravity sewer and force main that is a part of the City of Franklin's sanitary sewerage collection system.

This approval is based upon a peak flow rate of 12.6 mgd, with consideration for flows of 14.5 mgd in the pipeline.

The plans and specifications and other reports on file with the Department were used by the Department as the basis for conditional approval.

The plans and specifications are hereby approved in accordance with s. 281.41, Wis. Stats., under approval Number S-2019-0870, subject to the following conditions:

1. That a preconstruction conference be held to familiarize the construction contractor(s) and resident inspector(s) with the erosion control and dewatering requirements and all other provisions and conditions of the approved plans and specifications. If Clean Water Funds will be sought for this project, the Department's construction management engineer must be notified of the preconstruction conference a minimum of 7 days prior to the conference. Notify Frank Fuja ((414) 303-1711), Construction Manager in the Department's Milwaukee Office.
2. That a competent resident inspector be provided during the course of construction.
3. That erosion control methods be used to prevent siltation to lands and waterways adjoining the construction area. These methods shall include but not be limited to the following:
 - a. Siltation fences,
 - b. Trench stabilization, and
 - c. Immediate mulching and seeding.

4. That this Department is notified when construction commences and again when the approved facilities are placed in operation. Please notify Nick Lent, Wastewater Engineer in the Department's Milwaukee Office. If Clean Water Funds are being considered for this project, also notify Frank Fuja, Construction Manager in the Department's Milwaukee Office.
5. That all storm and other clear water including that from sump pumps, roof drains, cistern overflows, and building foundation drains be excluded from these approved sanitary sewers, that street and building sewers be laid in such a manner as to minimize entrance of groundwater (s. SPS 382.36 (3) (c) 1., Wis. Adm. Code), and that the building sewers and drains be installed to conform to the state plumbing regulations (s. SPS 382.30, Wis. Adm. Code).
6. That if permits under ch. 30, Wis. Stats., are required that no construction begin until such permits are obtained. Information to determine your need for a ch. 30, Wis. Stats., permit can be found at the Department web page for waterways and wetlands permits (dnr.wi.gov/waterways/index.html).
7. That an acceptable operation and maintenance manual, or a manual revision or addendum, be prepared for the approved facilities.
8. That the existing treatment facility be operated effectively during construction to ensure, at a minimum, that the preconstruction treatment levels are maintained and all provisions of the Wisconsin Pollutant Discharge Elimination System permit are met.
9. That a minimum horizontal distance of 8 feet be maintained between existing or proposed water mains and existing or proposed sewers.
10. That a minimum horizontal distance of 8 feet be maintained between fire hydrants and sanitary sewers or storm sewer inlets.
11. That wherever water mains cross over sewers a minimum vertical clearance of 6 inches be maintained, and that wherever water mains cross under sewers a minimum vertical clearance of 18 inches be maintained, and that at crossings one full length of water pipe be centered on the sewer so that both joints are as far from the sewer as possible.
12. That sufficient earth cover or other suitable cover be provided over the sewers to prevent freezing.
13. That the groundwater infiltration rate for the sanitary sewers not exceed 200 gallons per inch of pipe diameter per mile per day.
14. That outside drops be constructed for sewers entering manholes where the invert elevation of the entering sewer is 24 inches or more above the spring line of the outgoing sewer.
15. That the sewers and manholes located in the flood plain be floodproofed in accordance with ch. NR 116, Wis. Adm. Code, Wisconsin's Flood Plain Management Program.
16. That all necessary permits for dewatering activities associated with the proposed construction be obtained prior to start of construction. In instances of contaminated groundwater, these permits may require treatment and monitoring of the dewatering discharge for various organic and other chemicals.
17. Should the design of force main to be submitted under contract package 2 deviate from the existing design such that pipeline hydraulic conditions substantively change, the portions of this approval for the return flow pipeline shall be rescinded.

18. That the improvements be installed in accordance with the plans and specifications, and the above conditions, or subsequent essential and approved modifications.

The Department has the authority under s. 281.19(1), Wis. Stats., to adopt rules for the construction, installation, use, and operation of sewerage systems. Chapters NR 108 and 110, Wis. Adm. Code, have been adopted by the Department pursuant to this statutory authority. The Department has the authority to approve, conditionally approve, or deny plans under s. 281.41, Wis. Stats.

This approval is not to be construed as a Department determination on the issuance of a Wisconsin Pollutant Discharge Elimination System (WPDES) permit or an opinion as to the ability of the proposed system to comply with effluent limitations in such a permit.

The plans and specifications have been reviewed in accordance with s. 281.41, Wis. Stats., for compliance with chs. NR 108 and 110, Wis. Adm. Code (or any other applicable section of the Wisconsin Administrative Code or Statutes which may be specifically referenced in the conditions above). This letter should not be construed as an approval for activities requiring approval under other Statutes or by other federal, state or local agencies.

The Department reserves the right to order changes or additions should conditions arise making this necessary.

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. For judicial review of a decision pursuant to ss. 227.52 and 227.53, Wis. Stats., you have 30 days after the decision is mailed, or otherwise served by the Department, to file your petition with the appropriate circuit court and serve the petition on the Department. Such a petition for judicial review must name the Department of Natural Resources as the respondent.

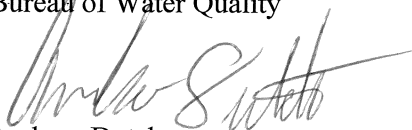
To request a contested case hearing pursuant to s. 227.42, Wis. Stats., you have 30 days after the decision is mailed, or otherwise served by the Department, to serve a petition for hearing on the Secretary of the Department of Natural Resources. All requests for contested case hearings must be made in accordance with s. NR 2.05(5), Wis. Adm. Code, and served on the Secretary in accordance with s. NR 2.03, Wis. Adm. Code. The filing of a request for a contested case hearing does not extend the 30 day period for filing a petition for judicial review.

In case construction of this improvement has not commenced or contracts awarded to complete this improvement within two years from this date, this approval shall become void. After two years a new application and plan submittal must be made and approval obtained of this or other plans before any construction work is undertaken.

STATE OF WISCONSIN
DEPARTMENT OF NATURAL RESOURCES
For the Secretary



Jason R. Knutson, P.E.
Wastewater Section Chief
Bureau of Water Quality



Andrew Dutcher
Wastewater Engineer
Bureau of Water Quality

cc:

Nick Lent – DNR Compliance Engineer
Frank Fuja - DNR CWFP construction management engineer
Jeanne Cargill - DNR CWFP loan manager
Thomas Roberts – City of Franklin
Fred Abadi - City of Waukesha
Jeff Harenda - City of Waukesha
Brent Brown - Jacobs Engineering, Inc.
Andrew Shrank - Jacobs Engineering, Inc.
Andrew J. Martin - Greeley and Hansen, LLC, Chicago
Catharine Richardson - Greeley and Hansen, LLC
Ted Bluver - Greeley and Hansen, LLC
Ryan Christopher - Greeley and Hansen, LLC