



Memorandum

Date: November 9, 2021

To: Jonathan Schapekahm – City of Waukesha

Copy: Alex Damien – City of Waukesha
Chris Langemak – City of Waukesha

From: Chris Lockett - Donohue

Re: **Waukesha South Side Pump Station Consolidation Project**
Fox River Interceptor Alignment

The City of Waukesha (City) is currently in the design phase for the South Side Pump Station Consolidation (SSPSC) Project. The purpose of this project is to improve reliability, redundancy, safety, and operations associated with six (6) pump stations located on Waukesha's south side.

The six pump stations included in the SSPSC Project are:

- Milky Way Road Pump Station: 1601 Milky Way Road
- Heyer Drive Pump Station: 1215 Heyer Drive
- West Avenue Pump Station: 2064 S. West Avenue
- Burr Oak Pump Station: 1940 Oakdale Drive
- Fox Point Pump Station: 2000 Fox River Parkway
- Sunset Drive Pump Station: 1294 W. Sunset Drive

A pump station assessment and an evaluation of options was recently completed by Donohue & Associates. The options included either (1) upgrading a pump station, (2) fully replacing a pump station with a new pump station, or (3) eliminating a pump station completely and replacing it with an interceptor. Based on the alternative evaluation, the best approach would be to (1) eliminate both Sunset Drive and Burr Oak Pump Stations and route the associated flows, via interceptors, to the Fox Point Pump Station, (2) fully replace the Fox Point Pump Station to provide the necessary reliability and capacity, (3) fully replace the West Avenue Pump Station, and (4) provide upgrades to both the Heyer Drive and Milky Way Road Pump Stations.

This Memo focuses specifically on the Fox River Parkway Interceptor, which is the interceptor that will route flow collected at the Sunset Avenue Pump Station to the Fox Point Pump Station. This interceptor will allow the abandonment and removal of the existing Sunset Drive Pump Station. The general route of the Fox River Parkway Interceptor is south from Sunset Drive, along Fox River Parkway, to the Fox Point Pump Station site.

In order to eliminate the Sunset Drive Pump Station, a new 24" interceptor will need to be constructed from Sunset Drive to the Fox Point Pump Station. The proposed interceptor would be 24" diameter and be approximately 7,300 feet long. Aside for a section that is approximately 750 feet long, just south of

Sunset Drive, the majority of the interceptor would be located outside the west right-of-way line, within park limits. The 750 foot stretch just south of Sunset Drive would be located within the paved limits of Fox River Parkway in order to minimize disruption to the existing Fox River Parkway Picnic Shelter and adjacent maintained parklands.

The SSPSC Project is scheduled to go out for bid in early July 2022. Although the exact construction schedule has not been fully established, the anticipated construction sequencing would require the Fox Point Pump Station to be completed and operational prior to construction of the Fox River, which will likely occur in late 2022 or early 2023. It is anticipated that the construction of the Fox River Parkway Interceptor would commence in spring of 2023. The construction duration would be approximately 6 months. During that time, the active construction zone will shift with the progression of the pipe laying progress. But, post construction areas will remain until restoration activities are initiated.

Although the Fox River Parkway Picnic Shelter and adjacent park will remain open, there will be construction in the road in front of the park. In addition, during construction, there will be several sections of the walking path that will need to be closed due to construction activities and/or to allow access to the interceptor alignment. It is anticipated that walking traffic will be directed to the east sidewalk on Fox River Parkway in those situations. The walking path will be fully repaired upon completion of the interceptor construction.

The Fox River Parkway Interceptor is a critical element in the overall SSPSC project. And, although the alignment is routed down Fox River Parkway, efforts were made to minimize disruption to active park areas, avoid mature and high quality trees, and balance the overall interceptor cost with public disturbance and wetland disturbance.