

LOWER BADGER MILL CREEK INTERCEPTOR UPDATE

ISSUE NO. 6

Madison Metropolitan Sewerage District

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www.madsewer.org

This publication was prepared by raSmith on behalf of the Madison Metropolitan Sewerage District (MMSD) to keep citizens informed about the Lower Badger Mill Creek Interceptor Project

Phase 5 Construction

Phase 5 design was completed in the summer of 2023 and the work was bid out on July 13, 2023. Construction work began on October 9, 2023, and is substantially complete. Several manholes can be seen sticking above the ground. The tops of these manholes are in planned future bike paths and roadways. As the Ardent Glen neighborhood continues to develop, fill will be placed around the manholes and the manhole castings and covers will be adjusted so that only the cover is visible. Until then, the manholes sticking out of the ground will look rather odd.



Phase 6 Design and Construction

Phase 6 design continues to proceed forward. Since the last Newsletter dated November 12, 2023, the project team has coordinated the following activities:

- Additional geophysical investigations within the ravine portion of the project to determine approximate rock depths.
- Tree identification and evaluation
- Additional soil borings along Shady Oak Lane and in the agricultural fields south of Mid Town Road.
- Alignment verification, determination of which trees shall be saved, and definition of permanent and temporary (construction) easement boundaries for the work through the ravine portion of the project and in the agricultural fields south of Mid Town Road.
- Additional survey work to verify and confirm property lines.
- Continued analysis of a hydrogeologic model created from private well logs and publicly available subsurface information.
- Development of screening criteria to identify private wells recommended for monitoring prior to, during, and after construction, and a contingency plan for concerns raised during construction.
- Plan development for alignment and profile that minimizes rock excavation.
- Coordination with the City and Town of Verona on Shady Oak Lane restoration post construction.
- Discussion and evaluation of restoration through the ravine portion of the construction.

Schedule

Below is the anticipated schedule for this project:

Easement Acquisition:	June 2024 through first quarter of 2025
Construction Bidding:	First Quarter, 2025
Construction Start:	Second Quarter, 2025
Substantial Completion:	November 2025

Real Estate Acquisition

Chapter 32.05 of the Wisconsin State Statutes sets forth the procedures for real estate/easement acquisition. We have completed the first step in the process which was to identify the easement locations throughout the interceptor route. We are currently in the process of creating exhibits and legal descriptions for a relocation order that has to be approved by the MMSD Commission. Commission meetings are public. Property owners from whom easements are required will be notified of the meeting date and time. Once the relocation order is approved, our real estate specialist will provide a letter of introduction and provide a "Rights of Landowners Under Wisconsin Eminent Domain Law" brochure to all property owners that are affected by the easement acquisition associated with the project. Appraisals will be performed for those properties affected and summarized in an appraisal report. Our survey staff will stake the easement areas for the appraiser and the property owner. Our real estate specialist will then complete the acquisition/negotiation process with each property owner.

Private Well Evaluation Summary

MMSD has heard and been sensitive to property owners with wells in the area. A detailed study was performed to provide regional geology and hydrogeology, potential private well risks (existing risks and construction related risks), private well identification and screening, private well monitoring and a contingency plan for private wells during construction. The technical memorandum identifies potential concerns during construction and outlines a process to address concerns as situations arise. The technical memorandum for the Private Well Review will be posted to the MMSD web site at <https://www.madsewer.org/project/lower-badger-mill-creek-interceptor-phases-5-6/> when completed.

Next Steps

As the real estate process proceeds forward, the project design team will be working to finalize the plans, construction specifications, and cost estimates for the project. The plans will go through several reviews by the project team and MMSD. The team will also begin to gather permits for the work from all necessary agencies. Restoration in Shady Oak Lane and through the ravine will be evaluated and finalized. All project documents will be finalized and prepared for bidding.

Project History and Overview

Representatives from MMSD, Town of Verona, City of Verona, and City of Madison met in 2001 to discuss planning for sewerage service in the Lower Badger Mill Creek drainage basin. This basin includes parts of the far west side of Madison, the Town of Middleton, the Town of Verona, and the City of Verona. It was determined that the best way to serve the basin was with 30,000 feet of sanitary sewer interceptor pipe (see Figure 1).

The preliminary design of the entire interceptor pipe was started in 2004 and completed in 2006. The upper 12,000 feet of the regional interceptor was constructed by the City of Madison in 2015 and 2016. The lower 9,500 feet was constructed by the District in Phases 1 through 4 from 2006 to 2018.

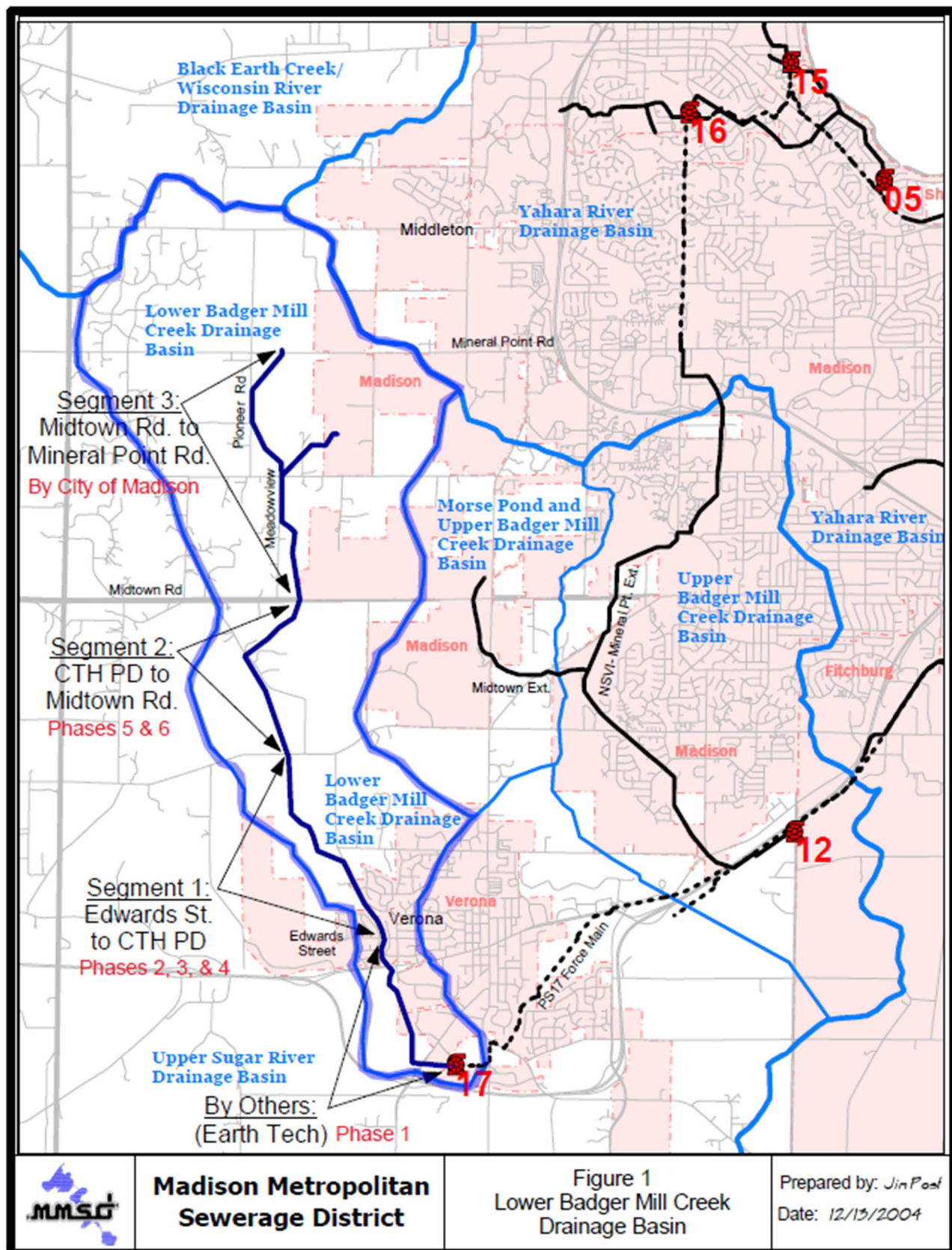
Phases 5 and 6 will complete the final “middle” 8,500 feet of the interceptor pipe. Phase 5 includes the sewer construction between CTH PD and Shady Oak Lane. Phase 6 will be constructed along Shady Oak Lane for approximately 1,250 feet and then be extended to the northeast and north to Mid Town Road (see Figure 2). When complete, the new interceptor pipe will enable the decommissioning of a temporary City of Madison sanitary sewage pump station (also called a lift station) at Mid Town Road. While a preliminary design was completed in 2006, the District revisited the Phase 5 and Phase 6 preliminary design to incorporate current stakeholder feedback and additional project data.

Project Website and Project Updates

Interested parties can view project information and sign up for project updates on the project website.

The project website is located at:

<https://www.madsewer.org/project/lower-badger-mill-creek-interceptor-phases-5-6/>



**Madison Metropolitan
Sewerage District**

Figure 1
Lower Badger Mill Creek
Drainage Basin

Prepared by: *Jin Post*
Date: 12/15/2004

Madison Metropolitan
Sewerage District

Lower Badger Mill Creek Interceptor Phase 6 Proposed Route

0 200 400
Feet

Sources: Esri, Airbus DS, USGS, NGA, NASA, CGIAR, N Robinson, MGLAS, NLS,
OS, MMA, Geodatasrijzen, Rijswaterstaat, GSA, Geoland, FEMA, Intermap
and the GIS user community