

LOWER BADGER MILL CREEK INTERCEPTOR UPDATE

ISSUE NO. 7

Madison Metropolitan Sewerage District

FEBRUARY 17, 2025

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

Public Information Meeting – March 12, 2025 – Virtual ONLY – See Page 3!

Phase 5 Construction (Complete)

Phase 5 construction work began on October 9, 2023, and was substantially completed in May of 2024. 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 up out of the ground will look rather odd.

One item of work that was unable to be completed during Phase 5 was coating the interiors of the manholes. Trucks required to coat the manholes could not navigate the muddy fields that resulted from a wet spring and early summer. Coating the manholes was removed from the contract and will be done in the future when the manholes are under paved surfaces.



Phase 6 Design, Bidding, and Construction

Phase 6 is currently advertised for bids from contractors. Bid opening is scheduled for February 27, 2025, and the project is expected to be awarded to a contractor on March 13, 2025. Initial construction activities will begin this spring approximately 300 feet south of Oak Hill Court. The contractor will connect to the upstream end of the Phase 5 pipe and build the new Phase 6 pipe and manholes in the middle of Shady Oak Lane for 1,200 feet up to the bridge just south of Nor-Del Hill Road. This portion of the work, including the restoration of Shady Oak Lane, is scheduled to be completed by August 15, 2025, to avoid interference with the Wisconsin Ironman race on September 7.

While construction is taking place in Shady Oak Lane, the road will be closed at the point of construction, so access to Oak Hill Court, Shady Hill Drive, and two private driveways will be either from the north or from the south depending on where the construction is located. Access to all roads and driveways north of the bridge at Nor-Del Hill Road will be from the north, off of Mid Town Road. Access to driveways south of Oak Hill Court will be from the south (from County Hwy PD).

At the bridge south of Nor-Dell Hill Road, the Phase 6 pipe will veer north into a ravine that cuts through the Johnstown Moraine, a terminal glacial moraine deposited approximately 20,000 to 30,000 years ago during the last ice age. Initial construction activities in Phase 6 will include tree removals along the interceptor route in the ravine and exploratory test pits to determine the elevation of bedrock. During design, a geophysical survey conducted by the Wisconsin Geological and Natural History Survey (WGNHS) indicated that some of the interceptor pipe may be constructed in bedrock. The contractor will determine if bedrock is present and create a rock excavation plan if bedrock is found in the test pits.

The route of the Phase 6 interceptor is constrained by current property use and by topography, particularly the ravine. The design team worked with the Town and City of Verona, the City of Madison, and with private property owners to fine-tune the route. Restoration will be with asphalt in roads and topsoil in farm fields. In the ravine, the surface will be restored with a native woodland seed mix. The seed and topsoil will be held in place with erosion matting.

Schedule

Below is the anticipated construction schedule for Phase 6:

Open Bids:	February 27, 2025
Award Contract:	March 13, 2025
Construction Start:	May 2025
Complete Shady Oak Lane:	August 15, 2025
Substantial Completion:	June 1, 2026
Final Completion:	July 1, 2026

Private Well Evaluation Summary

As mentioned in the last newsletter, the District has heard and been sensitive to property owners with wells in the area. A detailed study was performed to describe 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 is posted to the District's website at www.madsewer.org/lbmci.

Project History and Overview

Representatives from the District, 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, Town of Middleton, Town of Verona, and 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: www.madsewer.org/lbmci

**Upcoming Public Information Meeting
for Construction of the
Lower Badger Mill Creek Interceptor Project Phase 6**

<p>When: Wednesday, March 12, 2025 6:00 PM to 7:30 PM</p> <p>Meeting Link: Microsoft Teams meeting https://www.microsoft.com/en-us/microsoft-teams/join-a-meeting</p> <p>Meeting ID: 278 835 573 184 Passcode: 4i7dU7ov</p> <p>Or call in (audio only) +1 608-665-1851,802173559# United States, Madison</p> <p>Phone Conference ID: 802 173 559#</p>	<p>QUESTIONS OR COMMENTS?</p> <p>Tim Barbeau, P.E., P.L.S. Project Manager raSmith 16745 W. Bluemound Road Brookfield, WI 53005 (262) 317-3307</p> <p>Eric Hjellen, P.E. Project Engineer Madison Metropolitan Sewerage District 1610 Moorland Road Madison, WI 53713-3398 (608) 222-1201, ext 348 (608) 347-3613 (Direct)</p>
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Or visit the meeting link at the project website www.madsewer.org/lbmci



