

LOWER BADGER MILL CREEK INTERCEPTOR UPDATE

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This publication was prepared by Earth Tech, Inc. on behalf of the Madison Metropolitan Sewerage District (MMSD), the City of Madison, and the City of Verona to keep citizens informed about the Lower Badger Mill Creek Interceptor Project.

What's an "Interceptor?"

An interceptor is simply a large pipe installed underground to convey wastewater (also known as "sanitary sewage") from a large area via gravity flow. For practical reasons, interceptors usually coincide with the natural drainage way of a watershed, thereby enabling smaller local sewers to gravity drain to them. The anticipated route for the Lower Badger Mill Creek Interceptor is shown inside. Three separate segments have been identified based on differences in their anticipated construction timeframe.

Planning Background of the Lower Badger Mill Creek Interceptor

In January 2004, the State Department of Administration released official 2030 population forecasts for Dane County. In Spring of 2004, using the DOA county total, the Dane County Regional Planning Commission developed official population forecasts for each of the 26 urban service areas and rural areas in Dane County.

Dane County is expected to grow by more than 153,000 persons, or 36%, between 2000 and 2030. Accepted urban planning principles as well as regional policy direct the majority of new development to existing urban areas and adjacent lands. Higher urban densities and the provision of urban services reduce inefficient leap-frog development and sprawl. In Dane County, the areas of new development are expected to be in and near existing cities, villages, and urban towns served with urban services.

The Lower Badger Mill Creek watershed is an area which is currently urbanizing at the urban edge of the cities of Madison and Verona and is expected to be developed in the next twenty years to accommodate some of the forecast population increase in Dane County. It is necessary to plan well in advance of the actual development to prepare for the needed regional infrastructure for managing stormwater, wastewater, water, traffic, transit, schools and other services. The survey and planning being conducted by MMSD and other units of government is required by the Dane County Water Quality Plan in response to this expected development in the watershed, and is an essential part of an orderly and well managed expansion of the urban area.

For more information on water quality planning in Dane County, contact Kamran Mesbah at 266-9283 or at kamranm@danecorpc.org

LBMC Interceptor Project Design Schedule

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|--------------------------------------------|-----------------------------------|
| • Preliminary Corridor Identification | March/April '05 |
| • Public Information Meetings | April '05 |
| • Request Permission for Surveying/Testing | April/May '05 |
| • Conduct Initial Surveying/Testing | May/June/July '05 |
| • Preliminary Design | August/Sept '05 |
| • Conduct Soils Investigations | October '05 |
| • Public Information Meetings | October '05 |
| • Final Design | October/November/December '05 |
| • Prepare Easements | December '05/January/February '06 |
| • Public Information Meetings | January '06 |
| • Construction Plans Finalized | March '06 |
| • Anticipated Construction – Segment 1 | Fall '06 – Spring '08 |
| • Anticipated Construction – Segment 2 | 2008 to 2015 |
| • Anticipated Construction – Segment 3 | Fall '06 – Spring '08 |

Recent Project Activities

The Madison Metropolitan Sewerage District hired Earth Tech to lead the surveying and design of the Lower Badger Mill Creek Interceptor in February 2005. Representatives from MMSD, Earth Tech, Inc., City of Verona, Town of Verona, and City of Madison have been meeting monthly to review updates on the survey corridor and provide critical input for the design.

Two public meetings were held in April. Approximately 75 people attended the April 20th Public Information Meeting at the Verona Senior Center and approximately 45 people attended the April 27th Public Information Meeting at the Middleton Town Hall. The purpose of these meetings was to present general project information to the public, including a detailed description of the survey work that would be conducted to gather information for preparing construction plans for the project, and to answer questions and learn what concerns citizens had about the project.

The primary issues noted at the April 20th meeting included: the potential loss of mature oaks within the greenway north of Edwards Street, potential damage to Richardson's Cave and other Karst formations (i.e.: sinkholes, etc.) in the area between Shady Oak Road and Midtown Road, indemnification of property owners for surveying and testing liability, potential effects on adjacent wells and septic fields, and storm water concerns due to upstream developments. The primary issues noted at the April 27th meeting included: preference for the interceptor to be located along property lines, indemnification of property owners for surveying and testing liability, concerns with access across a drainage way for Watts Landscaping (both during and after construction), concerns with the size and location of proposed stormwater detention basins along Segment 3.

As of the end of May, Earth Tech, Inc. has received permission forms to conduct surveying and testing for the interceptor design from the owners of 85 parcels along the corridor. County and other local mapping sources will be utilized for design along the remaining parcels. The survey work began on May 9th, 2005 north of Edwards Street in Verona. This work will continue throughout the summer and fall of this year. A detailed description of the various survey work efforts follows.

Description of Surveying and Testing for the Project

Before design work for the interceptor is completed, detailed site information must be gathered along the proposed corridor. Below is a brief description of the field investigations that will be conducted over the next several weeks. All persons performing surveying and testing for this project will be wearing reflective safety vests and will have identification related to the project. Times of entry are anticipated to be between 8am and 5pm, Monday through Friday.

Topographic Surveys – consist of one to two person crews walking the property with surveying instruments to obtain horizontal and vertical locations of existing features (ie: ground surface, trees, structures, property corners, roadways, driveways, etc.) Topographic surveys will be completed by Earth Tech, Inc. employees.

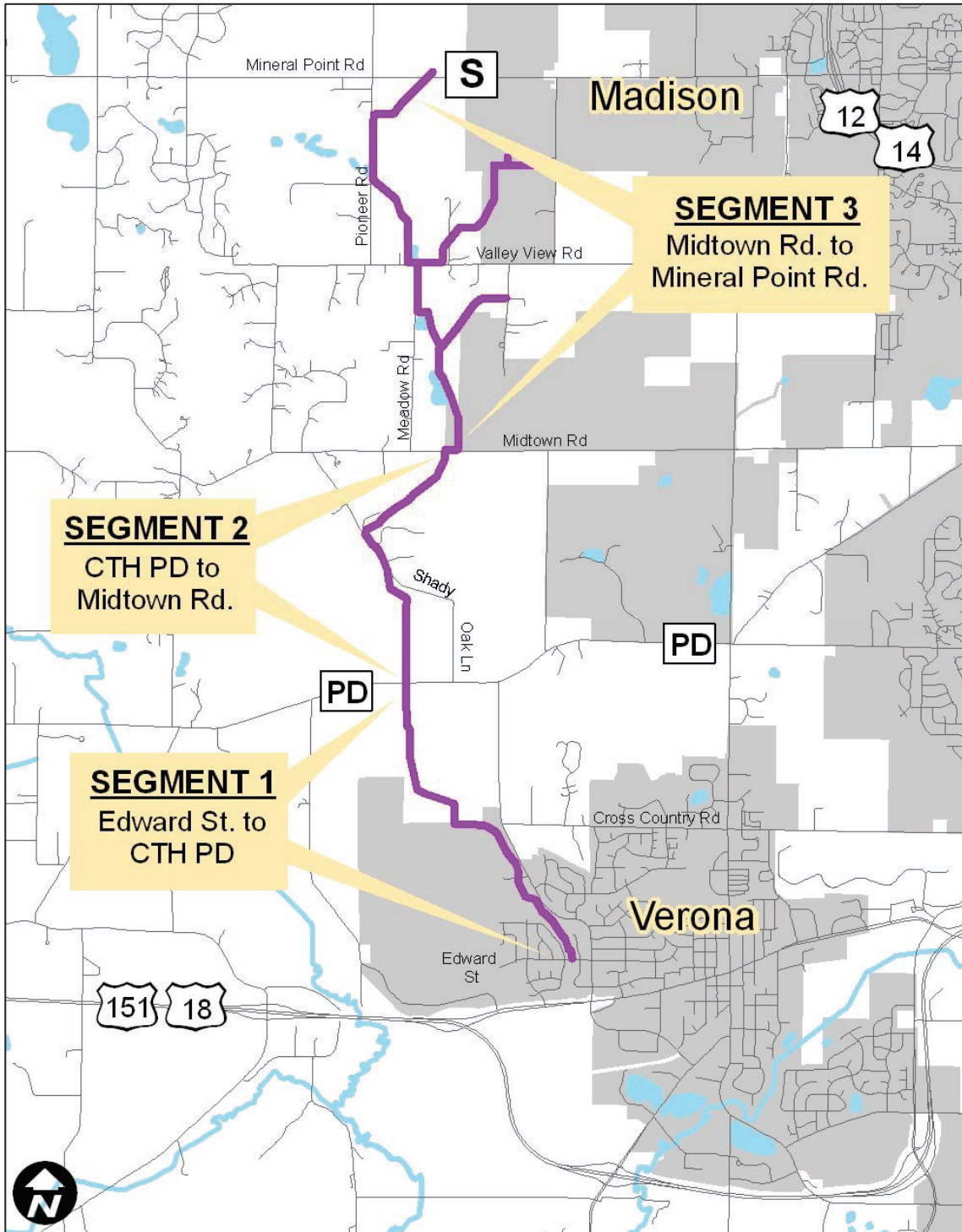
Soil Borings – consist of a drilling rig, on wheels or tracks that will be driven along the interceptor route to drill 6-inch diameter soil borings at strategic locations. The locations for soil borings are anticipated at approximately 400 to 600 foot spacing intervals. Depths of the soil borings are anticipated to be between 15 and 30 feet deep. All boreholes will be backfilled after the drilling is completed. After backfilling, all excess material will be removed and promptly restored. Soil borings are anticipated to be completed by Soils & Engineering Services, Inc. (SES), a subconsultant of Earth Tech, Inc.

Geological Surveys – consist of a one to two person crew walking the property with special instruments (ie: seismic transmitter/receivers, etc.) to record data on subsurface soil or rock features. These surveys are only anticipated along Segment 2 between Shady Oak Lane and Midtown Road. Geological surveys will be completed by Earth Tech, Inc. employees.

Archaeological Surveys – consist of a two to four person crew walking the property to look for evidence of archaeological artifacts. Disturbance includes hand shoveling through areas where archaeological artifacts are anticipated. Archaeological surveys are anticipated to be completed by Archeological Consulting & Services, Inc. (ACS), a subconsultant of Earth Tech, Inc.

Wetland Delineations – consist of a one to two person crew walking the property to delineate wetlands through the corridor. Edges of wetlands will be flagged for topographic survey crew to survey. Wetland delineations will be completed by Earth Tech, Inc. employees.

Tree Cataloging – consists of a certified arborist walking the property and identifying tree species and condition in the heavily wooded areas of Segments 1 and 2. Each tree will be given a small plastic identification tag at the base of the trunk. Tree cataloging is anticipated to be completed by Allison Tree Care, Inc., a subconsultant of Earth Tech, Inc.



LOWER BADGER MILL CREEK
INTERCEPTOR PROJECT MAP

<u>Survey Crews Working in the Area</u>	QUESTIONS OR COMMENTS?
<p>During the next several months, you may notice activities will be taking place along the route. One of the most noticeable will be the presence of survey crews.</p> <p>These crews will be determining terrain, measuring distances, identifying trees and wetlands, surveying possible archeological sites, conducting soil borings and investigating other physical features. Depending on the nature of the information being gathered, these crews may be near the drainageway or along the roadways. Where crops have been planted, soil borings will be delayed until crops have been harvested.</p> <p>If you are concerned about field work or have any questions, call Rick Eilertson at 828-8155.</p>	<p>Rick Eilertson, P.E., Project Engineer Earth Tech, Inc. 1210 Fourier Drive, Ste 100 Madison, WI 53717 (608) 828-8155 Fax (608) 836-9767</p> <p>Bruce A Borelli, P.E., Director of Engineering Madison Metropolitan Sewerage District 1610 Moorland Rd Madison, WI 53713 (608) 222-1201 Fax (608) 222-2703</p> <p>Mike Dailey, P.E., San. & Storm Eng. Section City of Madison 210 Martin Luther King Jr. Blvd Madison, WI 53710 (608) 266-4058 Fax (608) 264-9275</p> <p>Ron Rieder, Director of Public Works City of Verona 410 Investment Court Verona, WI 53593 (608) 845-6695 Fax (608) 845-8613</p>

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1210 Fourier Drive, Ste 100
Madison, WI 53717