

AMENDMENT TO THE

**REGIONAL WATER QUALITY  
MANAGEMENT PLAN**

**CITY OF BURLINGTON**

AS ADOPTED BY THE

SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION

SEPTEMBER 2007

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# SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION

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**SUBJECT:** Certification of Amendment to the Adopted Regional Water Quality Management Plan (Burlington Sanitary Sewer Service Area)

**TO:** The Legislative Bodies of Concerned Local Units of Government within the Southeastern Wisconsin Region, namely: the County of Racine, the City of Burlington, and the Town of Burlington

This is to certify that at the meeting of the Southeastern Wisconsin Regional Planning Commission, held at the Waukesha County Airport, Waukesha, Wisconsin, on the 12th day of September 2007, the Commission did by unanimous vote of all Commissioners present, being 14 ayes and 0 nays, and by appropriate Resolution, a copy of which is made a part hereof and incorporated by reference to the same force and effect as if it had been specifically set forth herein in detail, adopt an amendment to the regional water quality management plan, which plan was originally adopted by the Commission on the 12th day of July 1979, as part of the master plan for the physical development of the Region. Said amendment to the regional water quality management plan pertains to the revised Burlington sanitary sewer service area and consists of the documents attached hereto and made a part hereof. Such action taken by the Commission is recorded on, and is a part of, said plan, and the plan as amended is hereby transmitted to the constituent local units of government for consideration, adoption, and implementation.

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal and cause the Seal of the Southeastern Wisconsin Regional Planning Commission to be hereto affixed. Dated at the City of Pewaukee, Wisconsin, this 13th day of September 2007.

Thomas H. Buestrin, Chairman  
Southeastern Wisconsin  
Regional Planning Commission

ATTEST:

Philip C. Evenson, Deputy Secretary

**RESOLUTION NO. 2007-14**

**RESOLUTION OF THE SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION AMENDING THE ADOPTED REGIONAL WATER QUALITY MANAGEMENT PLAN, THAT PLAN BEING A PART OF THE MASTER PLAN FOR THE PHYSICAL DEVELOPMENT OF THE REGION CONSISTING OF THE COUNTIES OF KENOSHA, MILWAUKEE, OZAUKEE, RACINE, WALWORTH, WASHINGTON, AND WAUKESHA IN THE STATE OF WISCONSIN (BURLINGTON SANITARY SEWER SERVICE AREA)**

WHEREAS, pursuant to Section 66.0309(10) of the *Wisconsin Statutes*, the Southeastern Wisconsin Regional Planning Commission, at a meeting held on the 12th day of July 1979, duly adopted a regional water quality management plan as documented in the three-volume SEWRPC Planning Report No. 30, *A Regional Water Quality Management Plan for Southeastern Wisconsin: 2000*; and

WHEREAS, at a meeting held on the 5th day of December 2001, the Commission duly adopted an amendment to the regional water quality management plan refining and detailing the Burlington sanitary sewer service area as documented in SEWRPC Community Assistance Planning Report No. 78 (2nd Edition), *Sanitary Sewer Service Area for the City of Burlington and Environs, Racine County, Wisconsin*, dated December 2001, as amended; and

WHEREAS, by letter dated May 18, 2007, the City of Burlington requested that the Commission amend the Burlington sanitary sewer service area to include certain lands located outside of the currently adopted sewer service area; and

WHEREAS, the proposed amendment to the regional water quality management plan is documented in a Commission staff memorandum entitled, "Response to Request by the City of Burlington to Amend the Burlington Sanitary Sewer Service Area," attached hereto and made a part hereof; and

WHEREAS, the requested change to the regional water quality management plan, as documented in the aforementioned staff memorandum, was the subject of a public hearing held jointly by the City of Burlington and the Regional Planning Commission on August 7, 2007; and

WHEREAS, Section 66.0309(9) of the *Wisconsin Statutes* authorizes and empowers the Regional Planning Commission, as the work of making the whole master plan progresses, to amend, extend, or add to the master plan or carry any part or subject thereof into greater detail;

NOW, THEREFORE, BE IT HEREBY RESOLVED:

FIRST: That the regional water quality management plan for the Southeastern Wisconsin Region, being a part of the master plan for the physical development of the Region and comprised of SEWRPC Planning Report No. 30, Volumes One, Two, and Three, which was adopted by the Commission as a part of the master plan on the 12th day of July 1979, and which was amended on the 5th day of December 2001 to include the refined Burlington sewer service area, as set forth in SEWRPC Community Assistance Planning Report No. 78 (2nd Edition), be and the same hereby is amended in the manner identified on Map 1 of the aforementioned SEWRPC staff memorandum.

SECOND: That the Executive Director is authorized to submit findings to the Wisconsin Department of Natural Resources and the Wisconsin Department of Commerce that public and private sanitary sewer extensions necessary to serve the anticipated development on the lands concerned are in conformance with, and would serve to implement, the adopted regional water quality management plan as herein amended.

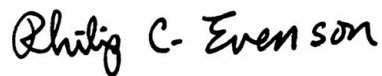
THIRD: That a true, correct, and exact copy of this resolution, together with the aforementioned SEWRPC staff memorandum, shall be forthwith distributed to each of the local legislative bodies of the local governmental units within the Region entitled thereto and to such other bodies, agencies, or individuals as the law may require or as the Commission, its Executive Committee, or its Executive Director, at their discretion, shall determine and direct.

The foregoing resolution, upon motion duly made and seconded, was regularly adopted at the meeting of the Southeastern Wisconsin Regional Planning Commission held on the 12th day of September 2007, the vote being: Ayes 14; Nays 0.



Thomas H. Buestrin, Chairman

ATTEST:



Philip C. Evenson, Deputy Secretary

## **SEWRPC STAFF MEMORANDUM**

### **RESPONSE TO REQUEST BY THE CITY OF BURLINGTON TO AMEND THE BURLINGTON SANITARY SEWER SERVICE AREA**

#### **INTRODUCTION AND BACKGROUND**

By letter dated May 18, 2007, the City of Burlington requested that the Southeastern Wisconsin Regional Planning Commission amend the Burlington and environs sanitary sewer service area tributary to the City of Burlington sewage treatment facility. That area is currently documented in SEWRPC Community Assistance Planning Report No. 78 (2nd Edition), *Sanitary Sewer Service Area for the City of Burlington and Environs, Racine County, Wisconsin*, dated December 2001, as amended. The basic purpose of this amendment would be to include within the planned Burlington sewer service area certain lands located immediately adjacent to, but outside of, the currently adopted sewer service area.

#### **AREA DESCRIPTION**

The area proposed to be added to the Burlington sanitary sewer service area is shown on Map 1. This area encompasses a total of 644 acres located in U.S. Public Land Survey Sections 7 and 8, Township 2 North, Range 19 East. The area includes 55 acres of existing residential and institutional development including 30 existing housing units and a church; 297 acres of existing agricultural use anticipated for future residential development; 252 acres of existing primary environmental corridor; 6 acres of existing secondary environmental corridor; 19 acres of existing isolated natural resource area; 1 acre of small isolated wetland; and 14 acres of farmed floodplain. The farmed floodplain is envisioned to eventually revert to a natural condition and become part of the adjacent primary environmental corridor when agricultural operations cease, and is included in the designated primary environmental corridor shown on Map 1. A more detailed delineation of the revised sewer service area and of the environmentally significant lands within is shown on the aerial photograph reproduced as Map 2.

The area proposed added to the Burlington sewer service area has an existing population of about 75 persons. It is estimated that the 297 acres proposed for future residential development would accommodate a population of about 1,340 persons. Thus, the planned population of the sewer service area would increase by about 1,415 persons.

#### **RELATIONSHIP OF THE PROPOSED CHANGE TO THE EXISTING SANITARY SEWER SERVICE AREA**

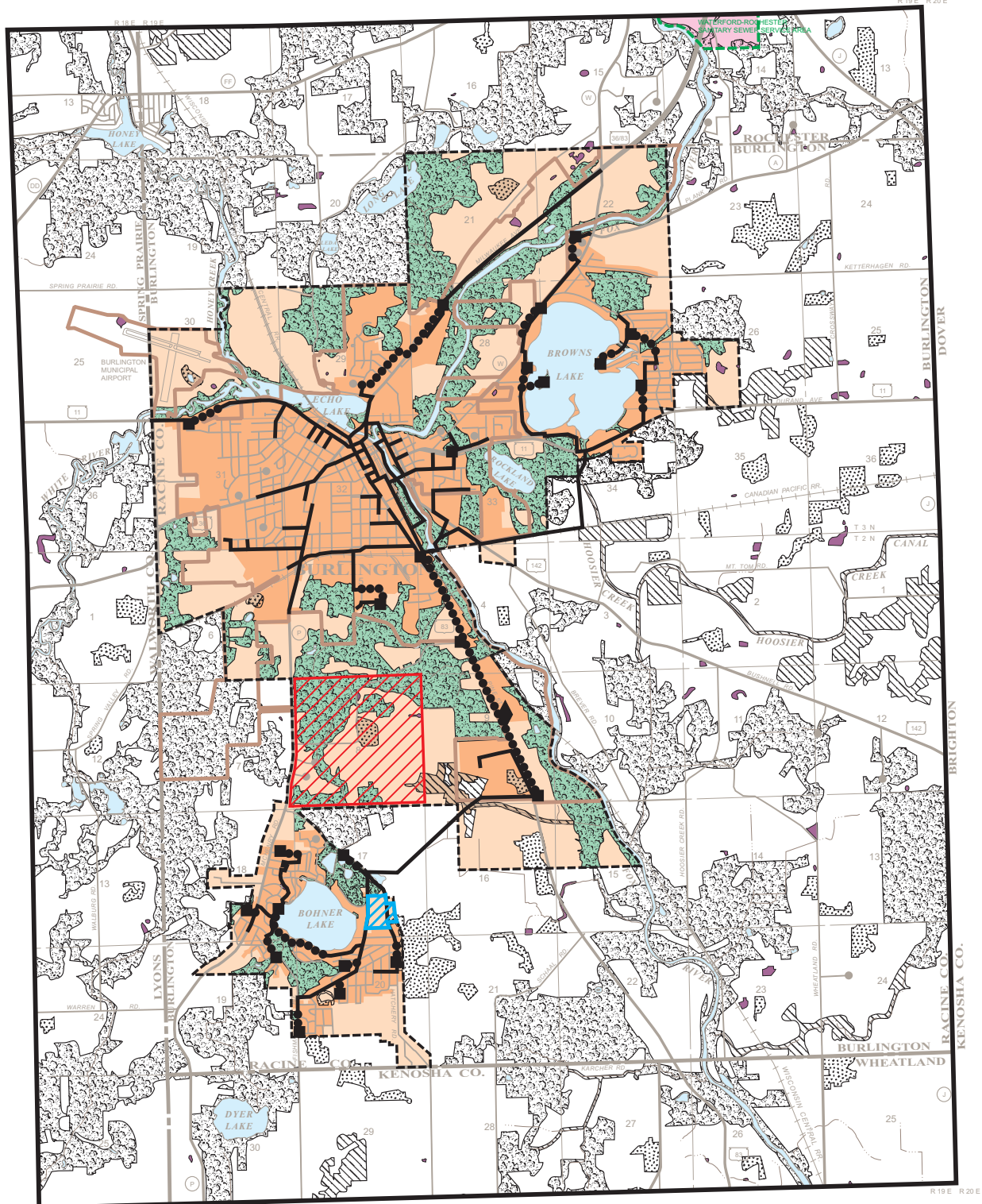
The proposed addition of 644 acres to the Burlington sanitary sewer service area represents an increase in the planned sewer service area of about 7 percent. As indicated above, roughly 45 percent of that proposed addition is comprised of existing environmental corridor and floodplains that are expected to remain in essentially open space use. The buildout population of the sewer service area—that is, the estimated population which could be accommodated upon full development of the sewer service area—would be about 21,500 persons, including the proposed addition. That population is within the year 2035 population projection range of between 17,400 and 22,900 persons for this area embodied in the regional land use plan.
















#### **WATER QUALITY IMPACTS**

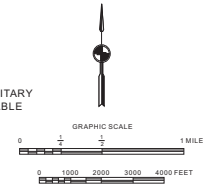
Under the adopted regional water quality management plan and the refined sanitary sewer service area plan herein set forth, it is envisioned that all urban lands within the planned urban service area would receive sanitary sewer service. In addition, the provision of public sanitary sewer service to those lands within the planned sanitary sewer service area which are currently developed and served by onsite sewage disposal systems may be expected to reduce the pollutant loadings from the existing onsite sewage disposal systems to both surface and ground waters. Assuming that all applicable Federal, State, and local permits are obtained and that proper site development and construction practices are employed, there should be no significant adverse water quality impacts attributable to the development of the planned sanitary sewer service area.

Map 1

PROPOSED AMENDMENT TO THE BURLINGTON SANITARY SEWER SERVICE AREA



- |   |   |   |  |
|---|---|---|--|
|  | PRIMARY ENVIRONMENTAL CORRIDOR  |  | EXISTING AREA SERVED BY SANITARY SEWERS TRIBUTARY TO THE CITY OF BURLINGTON SEWAGE TREATMENT PLANT: 1999   |
|  | SECONDARY ENVIRONMENTAL CORRIDOR  |  | BURLINGTON AND ENVIRONS PLANNED SANITARY SEWER SERVICE AREA: 2020  |
|  | ISOLATED NATURAL RESOURCE AREA  |  | PLANNED SANITARY SEWER SERVICE AREA BOUNDARY   |
|  | WETLANDS AND SURFACE WATER AREAS LESS THAN FIVE ACRES IN SIZE   |  | AREA PROPOSED TO BE ADDED TO THE BURLINGTON SANITARY SEWER SERVICE AREA  |
| <b>RESTRICTIONS ON SEWERED DEVELOPMENT</b>  |   |  | AREA PROPOSED TO BE PRECLUDED FROM PROVISION OF SANITARY SEWER SERVICE UNTIL TREATMENT PLANT CAPACITY IS AVAILABLE AS DETERMINED BY THE CITY OF BURLINGTON |
|  | PRIMARY ENVIRONMENTAL CORRIDORS WITHIN THE PLANNED SANITARY SEWER SERVICE AREA: THE EXTENSION OF SEWERS TO SERVE NEW DEVELOPMENT IS CONFINED TO LIMITED RECREATIONAL AND INSTITUTIONAL USES AND RURAL-DENSITY RESIDENTIAL DEVELOPMENT IN AREAS OTHER THAN WETLANDS, FLOODLANDS, SHORELANDS, AND STEEP SLOPES. |  | EXISTING PUBLIC SEWAGE TREATMENT FACILITY  |
|  | PORTIONS OF SECONDARY ENVIRONMENTAL CORRIDORS AND ISOLATED NATURAL RESOURCE AREAS WITHIN THE PLANNED SANITARY SEWER SERVICE AREA WHICH ARE COMPRISED OF WETLANDS, FLOODLANDS, SHORELANDS, AND STEEP SLOPES: THE EXTENSION OF SEWERS TO SERVE NEW DEVELOPMENT IN THESE AREAS IS NOT PERMITTED.                 |  | EXISTING TRUNK SEWER   |
|   |   |  | EXISTING FORCE MAIN  |
|   |   |  | EXISTING PUMPING STATION   |



Source: SEWRPC.

## SEWAGE TREATMENT PLANT CAPACITY IMPACT ANALYSIS

Sewage from the City of Burlington, the Bohner's Lake Sanitary District No. 1, and the Brown's Lake Sanitary District is treated at the City of Burlington sewage treatment facility. The Burlington sewage treatment facility was constructed in 1992 and has a design capacity of 3.55 million gallons per day (mgd) on an average annual basis. The average annual flow rate in 2006 was about 3.0 mgd. The anticipated sewage flow to be generated in the area proposed to be added to the Burlington sewer service area may be expected to be about 0.2 mgd on an average annual basis. Thus, the treatment plant has capacity to serve the proposed addition to the sewer service area.

In 2005, the City completed a facilities plan for expansion of the existing sewage treatment facility. The first phase of expansion, expected to be completed in 2008, is intended to increase the solids handling capacity of the facility. The second phase of expansion, expected to be completed in 2012, is intended to increase the BOD handling and hydraulic capacity of the facility. The improvements are expected to increase the design capacity of the sewage treatment facility to 4.8 mgd on an average annual basis by 2012.

If the vacant developable lands within the Burlington sewer service area, including the proposed additions, were fully developed in accordance with local plans, flows to the City of Burlington sewage treatment facility would approximate 4.4 to 4.8 mgd on an average annual basis, with the total flows being somewhat dependent upon the sewage flows generated by new commercial and industrial development. **Depending upon the level and density of growth that actually occurs upon full development of the planned sewer service area, the sewage treatment plant, with the scheduled improvements, is likely to have adequate capacity to serve the sewer service area over the entire planning period.**

## PUBLIC REACTION TO THE PLAN AMENDMENT

A public hearing was held on August 7, 2007, at the Burlington City Hall to receive public comment on, and reaction to, the proposed plan amendment. The hearing was sponsored by the City of Burlington and the Regional Planning Commission. A summary of the plan amendment was presented prior to receiving public comment, including a description of the lands proposed to be added to the sewer service area and any environmentally significant land located within.

A review of the hearing record indicates that no substantive concerns were raised at the hearing. Accordingly, no changes were made to the proposed plan amendment as presented at the public hearing.

## LOCAL GOVERNMENT SUPPORT FOR THE PLAN AMENDMENT

The Common Council of the City of Burlington adopted the plan amendment on August 21, 2007.

## CONCLUDING RECOMMENDATION

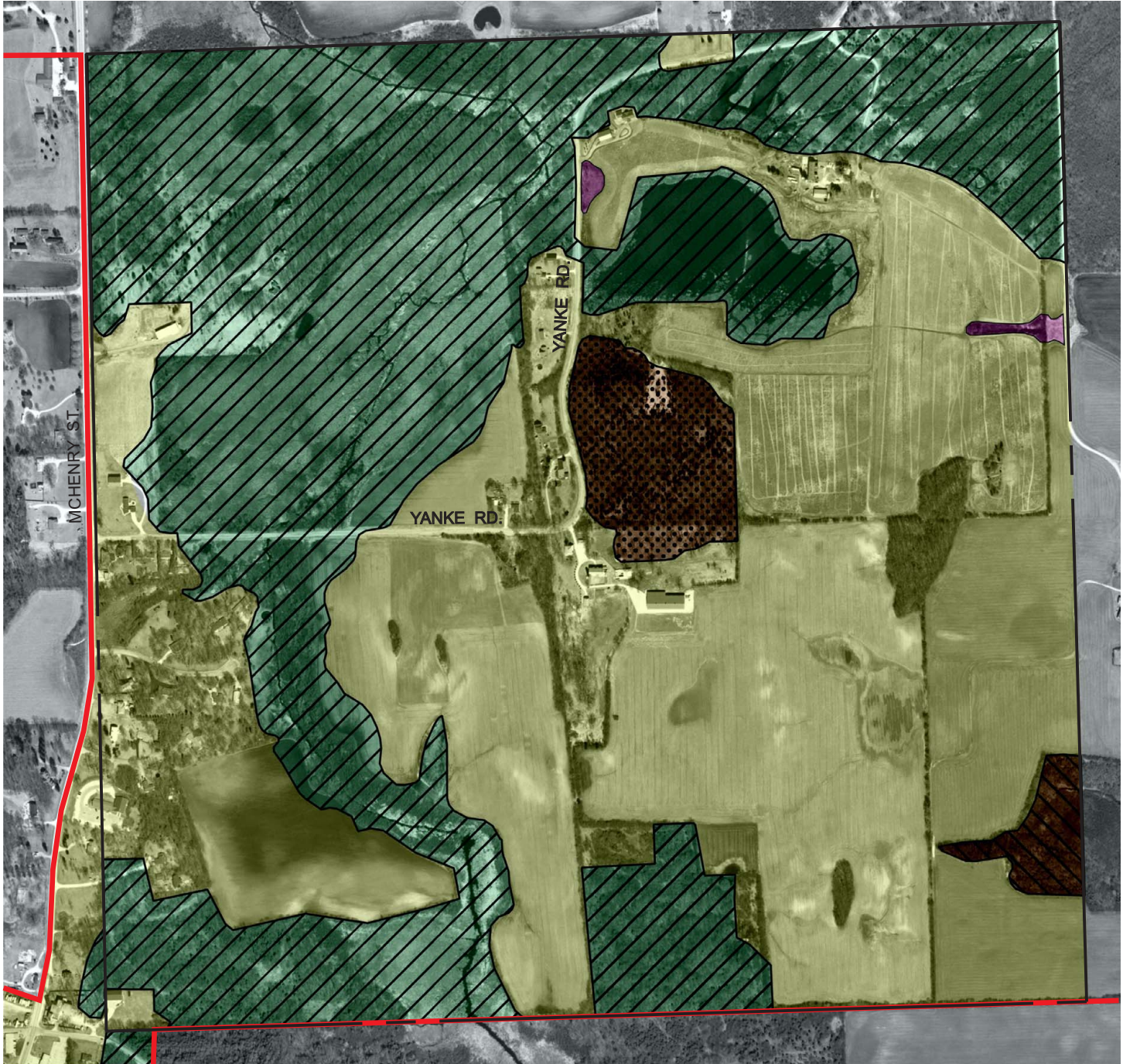
Based on the foregoing, it is recommended that the Southeastern Wisconsin Regional Planning Commission formally amend the sanitary sewer service area for the City of Burlington and Environs as documented in SEWRPC Community Assistance Planning Report No. 78 (2nd Edition), as amended, in the manner identified on Map 1.








Map 2




ENVIRONMENTALLY SIGNIFICANT LANDS AND PLANNED SANITARY SEWER SERVICE AREA FOR THE CITY OF BURLINGTON AND ENVIRONS

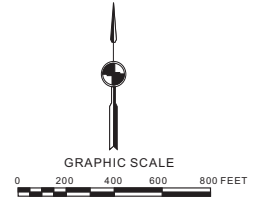
U. S. Public Land Survey Section 8 – Township 2 North, Range 19 East



Photography Date: April 2005

-  PRIMARY ENVIRONMENTAL CORRIDOR
-  SECONDARY ENVIRONMENTAL CORRIDOR
-  ISOLATED NATURAL RESOURCE AREA
-  WETLANDS AND SURFACE WATER AREAS LESS THAN FIVE ACRES IN SIZE
-  GROSS SANITARY SEWER SERVICE AREA BOUNDARY

-  PLANNED SANITARY SEWER SERVICE AREA
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  -  PORTIONS OF SECONDARY ENVIRONMENTAL CORRIDORS AND ISOLATED NATURAL RESOURCE AREAS WITHIN THE PLANNED SANITARY SEWER SERVICE AREA WHICH ARE COMPRISED OF WETLANDS, FLOODLANDS, SHORELANDS, AND STEEP SLOPES: THE EXTENSION OF SEWERS TO SERVE NEW DEVELOPMENT IN THESE AREAS IS NOT PERMITTED.



Source: SEWRPC.

NOTE: This map replaces the southeastern portion of Map 8-10, page 31, of SEWRPC Community Assistance Planning Report No. 78 (2nd Edition), *Sanitary Sewer Service Area for the City of Burlington and Environs, Racine County, Wisconsin*, December 2001.