

AMENDMENT TO THE

**REGIONAL WATER QUALITY
MANAGEMENT PLAN**

CITY OF OCONOMOWOC

AS ADOPTED BY THE

SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION

SEPTEMBER 2005

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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 (Oconomowoc Sewer Service Area)

TO: The Legislative Bodies of Concerned Local Units of Government within and outside of the Southeastern Wisconsin Region, namely: the Counties of Jefferson and Waukesha; the City of Oconomowoc; the Village of Lac La Belle; the Towns of Oconomowoc and Summit; and the Mary Lane Area Sanitary District

This is to certify that at the meeting of the Southeastern Wisconsin Regional Planning Commission, held at the Walworth County Judicial Center, Elkhorn, Wisconsin, on the 14th day of September 2005, 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 Oconomowoc 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 15th day of September 2005.

Thomas H. Buestrin, Chairman
Southeastern Wisconsin
Regional Planning Commission

ATTEST:

Philip C. Evenson, Deputy Secretary

RESOLUTION NO. 2005-16

**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
(OCONOMOWOC 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 15th day of September 1999, the Commission duly adopted an amendment to the regional water quality management plan refining and detailing the Oconomowoc sanitary sewer service area as documented in SEWRPC Community Assistance Planning Report No. 172 (2nd Edition), *Sanitary Sewer Service Area for the City of Oconomowoc and Environs, Waukesha County, Wisconsin*, September 1999; and

WHEREAS, by letter dated August 2, 2005, the City of Oconomowoc requested that the Commission amend the Oconomowoc sanitary sewer service area to include certain lands located outside of the currently adopted sewer service area and to modify the shape of a primary environmental corridor located within 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 Oconomowoc to Amend the Oconomowoc 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 Oconomowoc and the Regional Planning Commission on August 16, 2005; 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;

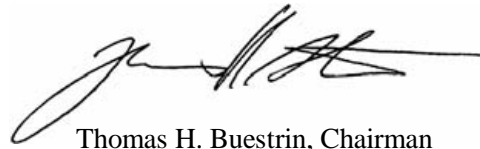
NOW, THEREFORE, BE IT HEREBY RESOLVED:

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 15th day of September 1999 to include the refined Oconomowoc sewer service area, as set forth in SEWRPC Community Assistance Planning Report No. 172 (2nd Edition), be and the same hereby is amended in the manner identified on Maps 1 and 4 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.

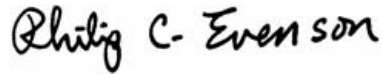
THIRD: That a true, correct, and exact copy of this resolution, together with the aforementioned SEWRPC staff memorandum, shall be forthwith distributed to each of the local legislative bodies of the local governmental units within the Region entitled thereto and to such other bodies, agencies, or individuals 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 14th day of September 2005, the vote being: Ayes 14; Nays 0.

A handwritten signature in black ink, appearing to read 'Thomas H. Buestrin', with a long horizontal flourish extending to the right.

Thomas H. Buestrin, Chairman

ATTEST:

A handwritten signature in black ink, appearing to read 'Philip C. Evenson', written in a cursive style.

Philip C. Evenson, Deputy Secretary

SEWRPC STAFF MEMORANDUM

RESPONSE TO REQUEST BY THE CITY OF OCONOMOWOC TO AMEND THE OCONOMOWOC SANITARY SEWER SERVICE AREA

INTRODUCTION AND BACKGROUND

By letter dated August 2, 2005, the City of Oconomowoc requested that the Southeastern Wisconsin Regional Planning Commission amend the Oconomowoc sanitary sewer service area as that area is currently documented in SEWRPC Community Assistance Planning Report No. 172 (2nd Edition), *Sanitary Sewer Service Area for the City of Oconomowoc and Environs, Waukesha County, Wisconsin*, dated September 1999, as amended. The basic purpose of the amendment would be to include within the planned sewer service area certain lands located immediately adjacent to, but outside, the currently adopted sewer service area, as well as to modify the shape of a primary environmental corridor located within the currently adopted sewer service area.

PROPOSED ADDITIONS TO THE SEWER SERVICE AREA

Two areas are proposed to be added to the Oconomowoc sanitary sewer service area, encompassing a total of 620 acres. These areas are identified on Map 1 and shown in greater detail on Maps 2 and 3. The first area encompasses 175 acres located in U.S. Public Land Survey Section 24, Township 8 North, Range 16 East, in the Jefferson County portion of the Village of Lac La Belle. The subject area includes 23 acres of primary environmental corridor and 11 acres of isolated natural resource area lands, as well as 56 acres of recreational use and 85 acres of other open land. The entire area is owned by the Union Institute, which operates a summer camp on the property. Existing recreational facilities on the property are served by onsite sewage disposal systems. The proposed amendment would enable the existing recreational facilities to be connected to sanitary sewers, eliminating the reliance upon onsite disposal systems. Future development is expected to be limited to the replacement of certain existing recreational facilities. Inclusion of the entire Union Institute property in the sewer service area is intended to provide flexibility in locating the replacement facilities.

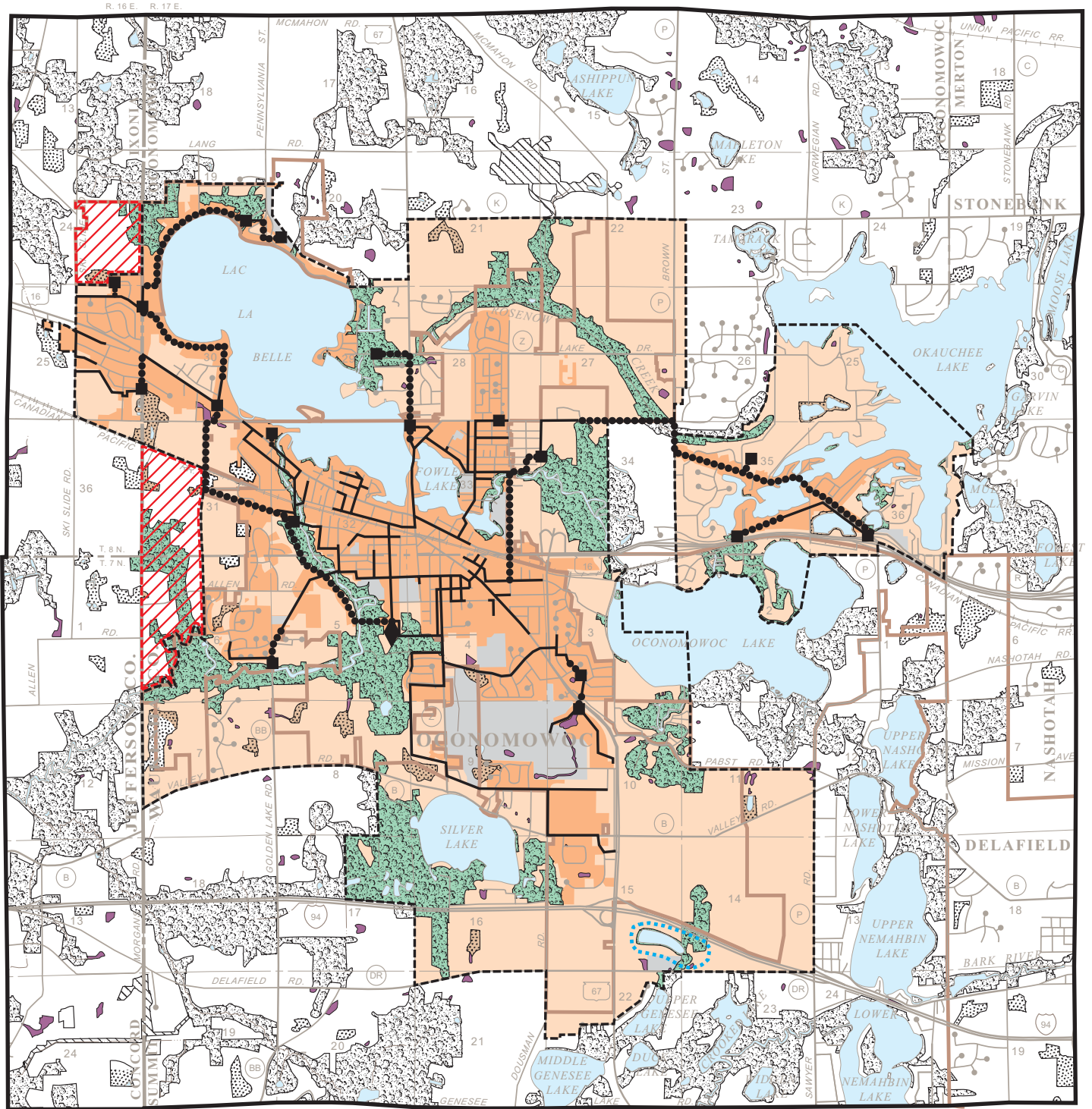
The second area proposed to be added to the Oconomowoc sewer service area encompasses 445 acres located in U.S. Public Land Survey Section 31, Township 8 North, Range 17 East, in the Town of Oconomowoc, and in Section 6, Township 7 North, Range 17 East, in the Town of Summit. The subject area contains 156 acres of environmentally significant lands, including 140 acres of primary environmental corridor, 14 acres of isolated natural resource area, and 2 acres of farmed floodplain. The farmed floodplain is envisioned to eventually revert to a more natural condition and become part of the adjacent primary environmental corridor when agricultural operations cease. The area also includes 17 acres of roads and railroads and 8 acres of residential use with 6 existing housing units. The remainder of 264 acres is currently in agricultural use and is envisioned to be developed for residential use, accommodating an estimated population of 850 persons.

PROPOSED CHANGE TO THE PRIMARY ENVIRONMENTAL CORRIDOR

Also included in this sewer service area plan amendment is a proposed re-shaping of the primary environmental corridor in an area located southeast of the interchange of IH 94 and STH 67, in U.S. Public Land Survey Sections 14 and 15, Township 7 North, Range 17 East, in the Town of Summit. The proposal is intended to better accommodate development in this portion of the Pabst Farms area, providing greater flexibility in any future development of this site, while maintaining natural values in the area. The proposed changes to the environmental corridor are shown on Map 4. They include the reconfiguration of an existing man-made pond along with the widening of the abutting north-south corridor segment. There would be no net loss of primary environmental corridor land, and natural values in the north-south segment of the corridor would be enhanced.

Map 1

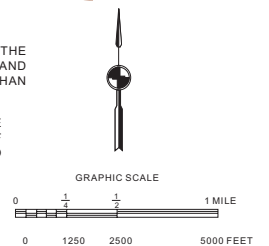
PROPOSED AMENDMENT TO THE OCONOMOWOC AND ENVIRONS SANITARY SEWER SERVICE AREA



- PRIMARY ENVIRONMENTAL CORRIDOR
- SECONDARY ENVIRONMENTAL CORRIDOR
- ISOLATED NATURAL RESOURCE AREA
- WETLANDS AND SURFACE WATER AREAS LESS THAN FIVE ACRES IN SIZE
- EXISTING AREA SERVED BY PUBLIC SANITARY SEWER SYSTEM: 2000
- PLANNED SANITARY SEWER SERVICE AREA
- AIRPORTS, LARGE PARK AND RECREATION SITES, AND SIMILAR USES WITHIN THE SEWER SERVICE AREA
- AREAS PROPOSED TO BE ADDED TO THE OCONOMOWOC SANITARY SEWER SERVICE AREA

RESTRICTIONS ON SEWERED DEVELOPMENT

- 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.
- 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.
- PLANNED SANITARY SEWER SERVICE AREA BOUNDARY
- EXISTING TRUNK SEWER
- EXISTING FORCE MAIN
- EXISTING PUMPING STATION
- AREA ENCOMPASSING PROPOSED CHANGE TO THE PRIMARY ENVIRONMENTAL CORRIDOR (SEE MAP 4)



Source: SEWRPC.





Map 2

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



U. S. Public Land Survey Section 24
Township 8 North, Range 16 East



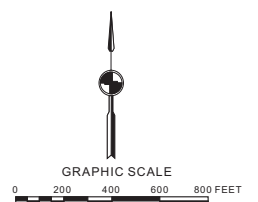
Photography Date: March 2000

-  PRIMARY ENVIRONMENTAL CORRIDOR
-  ISOLATED NATURAL RESOURCE AREA
-  GROSS SANITARY SEWER SERVICE AREA BOUNDARY
-  PLANNED SANITARY SEWER SERVICE AREA

RESTRICTIONS ON SEWERED DEVELOPMENT

-  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.
-  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.

NOTE: This map replaces the southeast quarter of Map 7-1 page 20, of SEWRPC Community Assistance Planning Report No. 172 (2nd Edition), *Sanitary Sewer Service Area for the City of Oconomowoc and Environs*, Waukesha County, Wisconsin, September 1999.

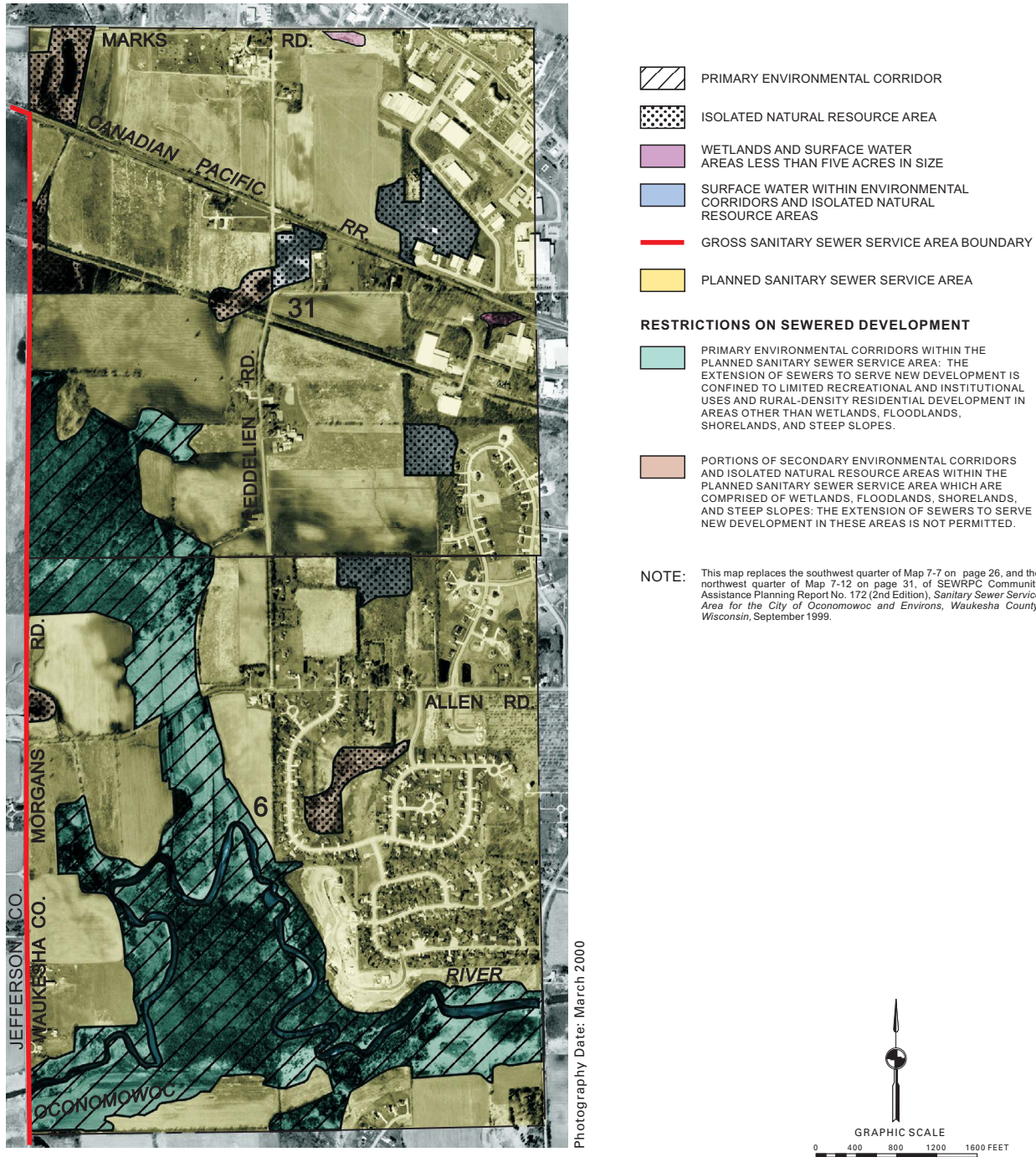


Source: SEWRPC.

Map 3

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

U. S. Public Land Survey Section 31, Township 8 North, Range 17 East
and U. S. Public Land Survey Section 6, Township 7 North, Range 17 East

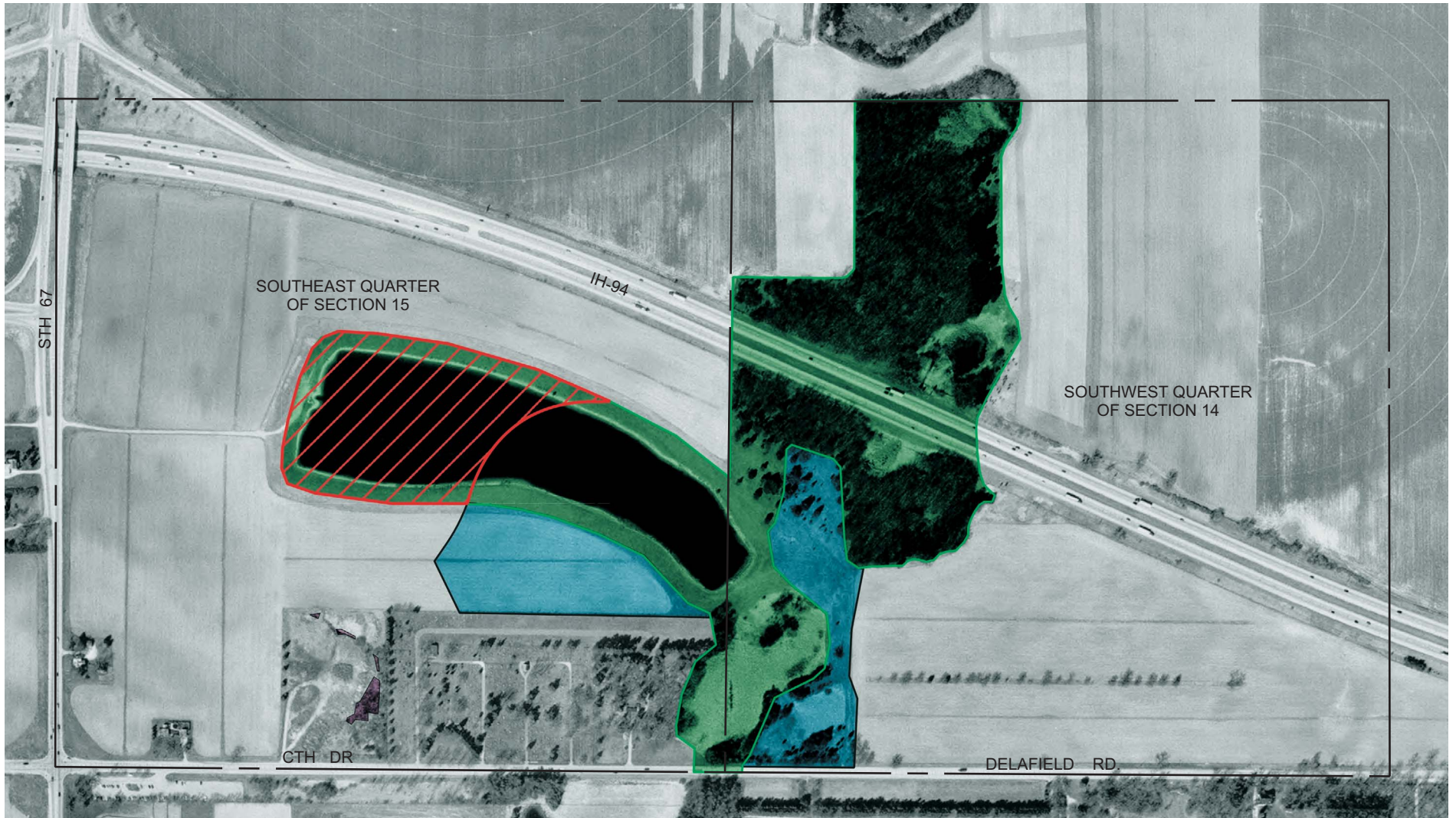


Source: SEWRPC.





Map 4

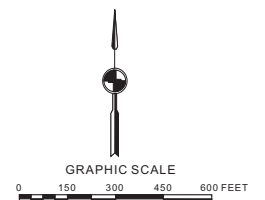
PROPOSED MODIFICATION OF THE PRIMARY ENVIRONMENTAL CORRIDOR IN THE PABST FARMS DEVELOPMENT AREA

Southeast Quarter of U.S. Public Land Survey Section 15 and Southwest Quarter of U.S. Public Land Survey Section 14, Township 7 North, Range 17 East



Photography Date: March 2000

-  EXISTING PRIMARY ENVIRONMENTAL CORRIDOR
-  AREA PROPOSED TO BE REMOVED FROM THE PRIMARY ENVIRONMENTAL CORRIDOR
-  AREAS PROPOSED TO BE ADDED TO THE PRIMARY ENVIRONMENTAL CORRIDOR
-  WETLANDS AND SURFACE WATER AREAS LESS THAN FIVE ACRES IN SIZE



RELATIONSHIP OF THE PROPOSED CHANGES TO THE EXISTING SANITARY SEWER SERVICE AREA

The proposed addition of 620 acres to the Oconomowoc sanitary sewer service area represents an increase in the planned sewer service area of about 4 percent. Under the currently adopted year 2020 regional land use plan, the population of the Oconomowoc sewer service area is projected to range from 23,100 persons under an intermediate-growth scenario to 37,500 persons under a high-growth scenario. The “buildout” population of the currently adopted sewer service area—that is, the estimated population which could be accommodated upon full development of the sewer service area—is estimated to be about 37,800 persons, approximating the high end of the year 2020 population projection range. With the proposed addition, the buildout population would be about 38,650 persons.

The Regional Planning Commission is currently updating and extending the regional land use plan further into the future, to the year 2035; that plan will be completed later this year. The new regional plan will include new population projections, including a new projected population range for the Oconomowoc sewer service area. It is anticipated that the buildout population of the Oconomowoc sewer service area, expanded as indicated on Map 1, will lie within the projection range for the Oconomowoc area under the forthcoming regional land use plan.

WATER QUALITY IMPACTS

Under the adopted regional water quality management plan and the Oconomowoc and environs sanitary sewer service area plan presented herein, it is envisioned that all new urban development within the planned urban service area would receive sanitary sewer service. In addition, public sanitary sewer service would be provided to those lands within the planned sanitary sewer service area which are already developed and served by onsite sewage disposal systems. This may be expected to reduce the pollutant loadings from the existing onsite sewage disposal systems to both surface and ground waters. Accordingly, assuming that any 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 areas proposed to be added to the planned sanitary sewer service area.

With respect to the area located southeast of the IH 94/STH 67 interchange, there could be short-term water quality impacts related to increased soil erosion during the grading work needed to reconfigure the existing pond. It is expected that the impacts on the pond would be mitigated to some degree through the provision of controls on erosion during construction. Following grading and stabilization of the site, there should be no further adverse impacts on water quality.

COST EFFECTIVENESS ANALYSIS

The areas proposed to be added to the sewer service area are located adjacent to the currently adopted Oconomowoc sewer service area. The nearest other public sanitary sewerage systems, the City of Delafield and the Village of Dousman, are both located more than 6 miles from the subject areas. No further analysis is necessary to conclude that the subject area would be served most cost-effectively through connection to the City of Oconomowoc sewerage system.

SEWERAGE SYSTEM CAPACITY IMPACT ANALYSIS

Sewage from the Oconomowoc area is treated at the City of Oconomowoc sewage treatment facility, which has a design capacity of 4.0 millions of gallons per day (mgd) on an average annual basis. The average annual flow rate was 2.4 mgd in 2004. The anticipated sewage flow to be generated in the area proposed to be added to the sewer service area may be expected to approximate 0.18 mgd upon full development. Thus the additional sewage flow could be accommodated without exceeding the plant capacity.

A detailed analysis of sewage treatment capacity and future loadings was conducted as part of the sanitary sewerage system plan for the northwestern Waukesha County area. The analysis demonstrated a need for modest sewage treatment plant modifications by the year 2010, and major modifications following 2010. **Thus, depending upon the level and density of growth that will actually occur upon full development of the Oconomowoc sewer service area, as well as additional areas which may eventually be served by the City of Oconomowoc sewage treatment facility, it will be necessary to conduct facilities planning to expand the sewage treatment plant at some point during the planning period.**

PUBLIC REACTION TO THE PLAN AMENDMENT

A public hearing was held on August 16, 2005, at the Oconomowoc City Hall to receive public comment on, and reaction to, the proposed plan amendment. The hearing was sponsored by the City of Oconomowoc 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 the proposed re-shaping of the primary environmental corridor.

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 Oconomowoc adopted the plan amendment on August 16, 2005.

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 Oconomowoc and Environs as documented in SEWRPC Community Assistance Planning Report No. 172 (2nd Edition), as amended.