



AMENDMENT TO THE

**REGIONAL WATER QUALITY
MANAGEMENT PLAN**

**WALWORTH COUNTY
METROPOLITAN SEWERAGE
DISTRICT/ELKHORN SANITARY
SEWER SERVICE AREA**

**AS ADOPTED BY THE
SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION**

JUNE 2001

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REGIONAL PLANNING COMMISSION**

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SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION

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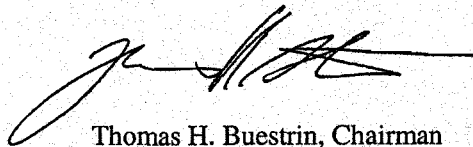
Serving the Counties of: KENOSHA
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SUBJECT: Certification of Amendment to the Adopted Regional Water Quality Management Plan (Elkhorn Sanitary Sewer Service Area)

TO: The Legislative Bodies of Concerned Local Units of Government within the Southeastern Wisconsin Region, namely: the County of Walworth, the City of Elkhorn, the Town of Sugar Creek, and the Walworth County Metropolitan Sewerage District.

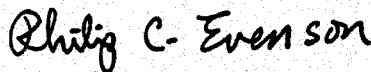
This is to certify that at the meeting of the Southeastern Wisconsin Regional Planning Commission, held at the Washington County Courthouse, West Bend, Wisconsin, on the 20th day of June 2001, the Commission did by unanimous vote of all Commissioners present, being 17 ayes and 0 nays, and by appropriate 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 Elkhorn 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 Waukesha, Wisconsin, this 21st day of June 2001.



Thomas H. Buestrin, Chairman
Southeastern Wisconsin
Regional Planning Commission

ATTEST:



Philip C. Evenson, Deputy Secretary

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RESOLUTION NO. 2001-10

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 (ELKHORN 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 4th day of December 1991, the Commission duly adopted an amendment to the regional water quality management plan refining and detailing the Elkhorn sanitary sewer service area as documented in SEWRPC Community Assistance Planning Report No. 56 (2nd Edition), *Sanitary Sewer Service Areas for the Walworth County Metropolitan Sewerage District, Walworth County, Wisconsin*, November 1991, as amended; and

WHEREAS, by letter dated March 1, 2001, the City of Elkhorn requested that the Commission amend the Elkhorn 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 Elkhorn to Amend the Elkhorn 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 aforereferenced staff memorandum, was the subject of a public hearing held jointly by the Walworth County Metropolitan Sewerage District and the Regional Planning Commission on May 15, 2001; 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;

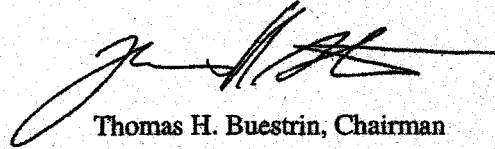
NOW, THEREFORE, BE IT HEREBY RESOLVED:

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 4th day of December 1991 to include the refined Elkhorn sewer service area, as set forth in SEWRPC Community Assistance Planning Report No. 56 (2nd Edition), be and the same hereby is amended in the manner identified on Map 1 of the aforereferenced 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.

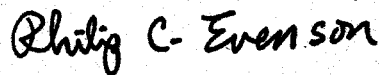
THIRD: That a true, correct, and exact copy of this resolution, together with the aforereferenced SEWRPC staff memorandum, shall be forthwith distributed to each of the local legislative bodies of the local governmental units within the Region entitled thereto and to such other bodies, agencies, or individuals 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 20th day of June 2001, the vote being: Ayes 17; Nays 0.



Thomas H. Buestrin, Chairman

ATTEST:



Philip C. Evenson, Deputy Secretary

SEWRPC STAFF MEMORANDUM

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

INTRODUCTION AND BACKGROUND

By letter dated March 1, 2001, the City of Elkhorn requested that the Southeastern Wisconsin Regional Planning Commission amend the Elkhorn sanitary sewer service area as that area is currently documented in SEWRPC Community Assistance Planning Report No. 56 (2nd Edition), *Sanitary Sewer Service Areas for the Walworth County Metropolitan Sewerage District, Walworth County, Wisconsin*, dated November 1991, 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 of, the currently adopted sewer service area to accommodate planned residential development.

AREA DESCRIPTION

As shown on Map 1, two areas are proposed to be added to the Elkhorn sanitary sewer service area, comprising a total of 278 acres. The first of these areas encompasses 62 acres and is located one-quarter mile west of CTH H and north of and adjacent to the currently adopted sewer service area. This area includes 22 acres of isolated natural resource area and 40 acres of agricultural land. The second area encompasses 216 acres and is located south of Hazel Ridge Road and west of and adjacent to the currently adopted sewer service area. This area includes 26 acres of secondary environmental corridor, 1 acre of small isolated wetlands, and 189 acres of agricultural land. The total of 229 acres of agricultural land within both areas is anticipated to be developed for residential use to accommodate an estimated future population of about 1,300 persons.

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

The proposed addition of 278 acres to the Elkhorn sanitary sewer service area represents an increase in the planned sewer service area of 4.6 percent. The Elkhorn sewer service area, as amended to include the subject areas, would encompass a total of 9.9 square miles, including 0.5 square miles of primary environmental corridor, 0.2 square miles of secondary environmental corridor, and 0.2 square miles of isolated natural resource areas.

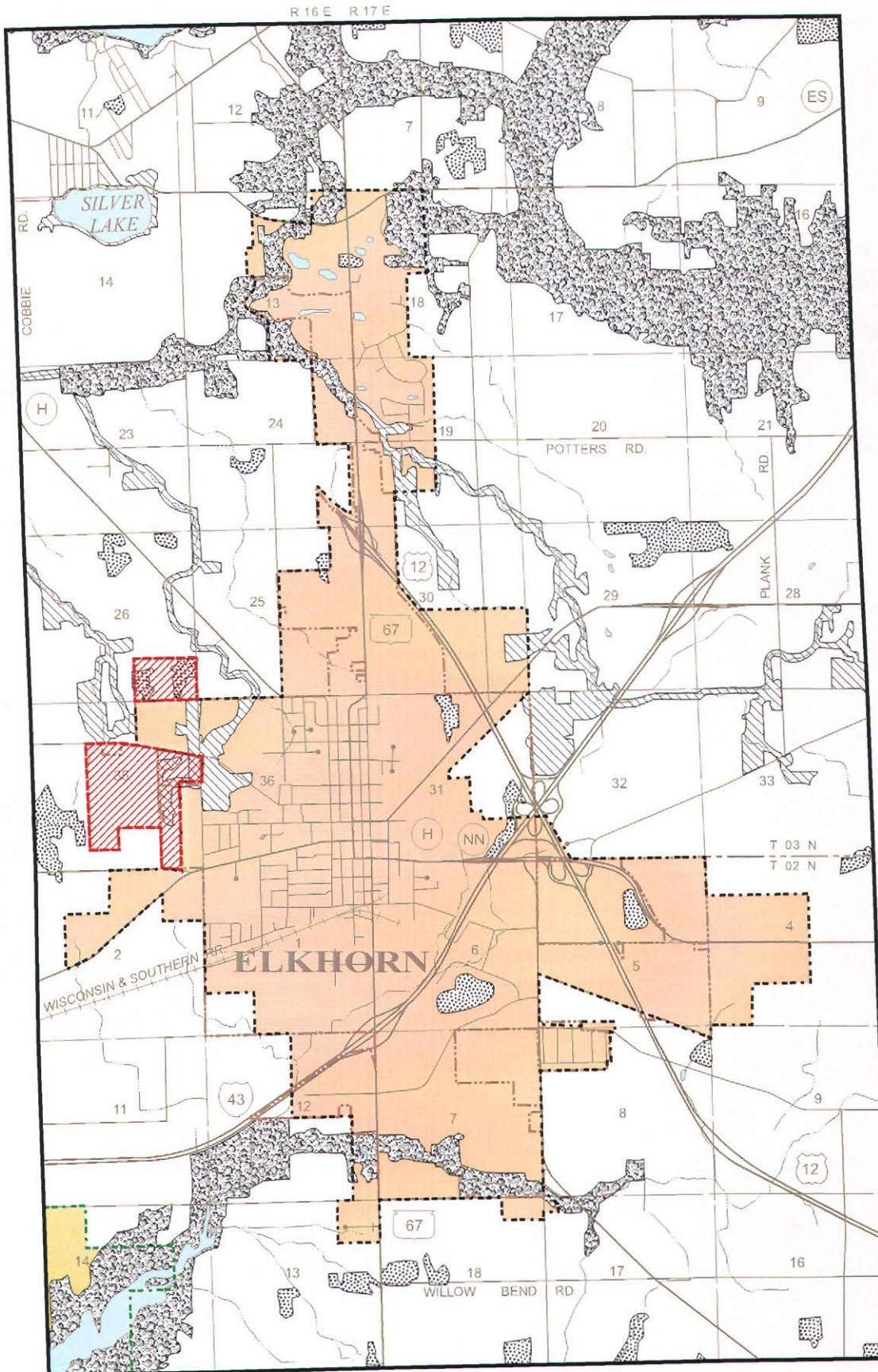
The City of Elkhorn adopted a new land use plan in December 2000. Based upon the pattern of land use and residential densities recommended under that plan, it was determined that the Elkhorn sewer service area, including the two proposed additions encompassing 278 acres, would accommodate a "buildout" population of about 14,800 persons. This population level is consistent with that envisioned for the Elkhorn sewer service area under the currently adopted Walworth County Metropolitan Sewerage District (WalCoMet) sewer service area plan, as amended.









WATER QUALITY IMPACTS

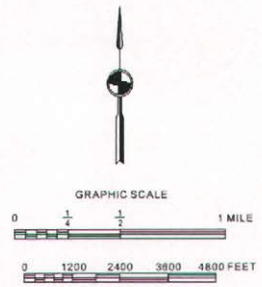
Under the adopted regional water quality management plan and the refined Elkhorn sanitary sewer service area plan herein set forth, it is envisioned that all urban lands within the planned urban service area would receive sanitary sewer service. Assuming that all applicable Federal, State, and local 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

RECOMMENDED AMENDMENT TO THE ELKHORN SANITARY SEWER SERVICE AREA



-  PRIMARY ENVIRONMENTAL CORRIDOR
-  SECONDARY ENVIRONMENTAL CORRIDOR
-  ISOLATED NATURAL RESOURCE AREAS
-  CURRENTLY ADOPTED ELKHORN SANITARY SEWER SERVICE AREA
-  ELKHORN SANITARY SEWER SERVICE AREA BOUNDARY
-  DELAVAN SANITARY SEWER SERVICE AREA
-  AREAS TO BE ADDED TO THE ELKHORN SANITARY SEWER SERVICE AREA
-  ELKHORN CITY BOUNDARY



Source: SEWRPC.

COST-EFFECTIVENESS ANALYSIS

The proposed additions to the Elkhorn sanitary sewer service area are immediately adjacent to the currently approved sewer service area. The nearest other public sanitary sewer systems, the City of Delavan and the City of Lake Geneva systems are located approximately 4 miles and 8 miles, respectively, from the subject areas. No further analysis is deemed necessary to conclude that the most cost-effective means of providing public sanitary sewer service to the subject areas is via City of Elkhorn sewers.

SEWAGE TREATMENT PLANT CAPACITY IMPACT ANALYSIS

Sewage from the Elkhorn area is treated at the WalCoMet sewage treatment facility located in the City of Delavan. The WalCoMet sewage treatment plant has a hydraulic design capacity of 5.75 million gallons per day (mgd) on an average annual basis. The current hydraulic loading to the plant is about 4.1 mgd on an average annual basis. The sewage flows anticipated to be generated in the areas proposed to be added to the Elkhorn sewer service area may be expected to be less than 0.3 mgd on an average annual basis. Thus, the treatment plant has adequate capacity to treat sewage flows from the subject areas.

PUBLIC REACTION TO THE PLAN AMENDMENT

A public hearing was held on May 15, 2001, at the WalCoMet offices to receive public comment on, and reaction to, the proposed plan amendment. The hearing was sponsored by the WalCoMet 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 lands located within, along with a description of potential impacts for the WalCoMet sewerage system.

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

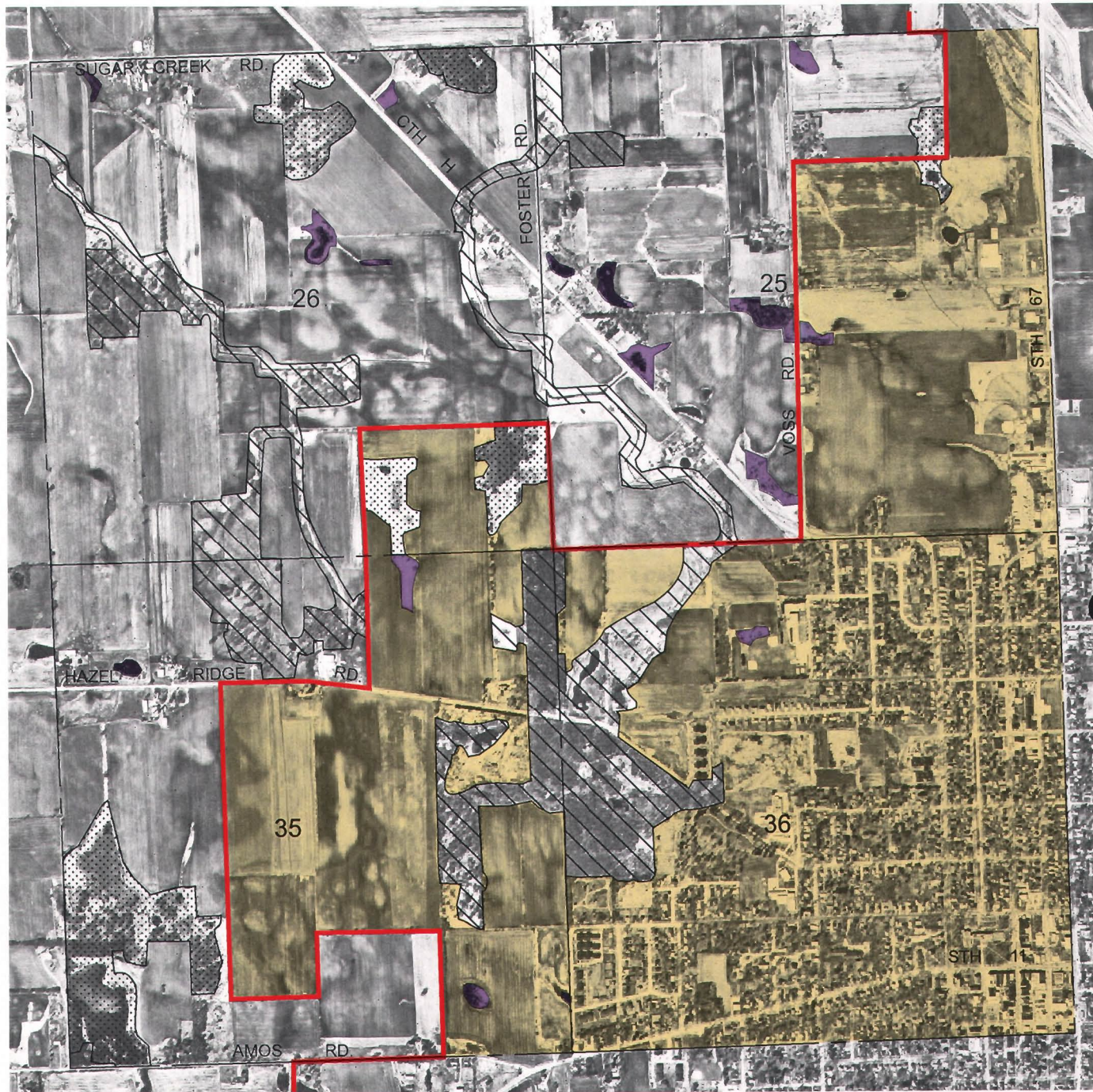
The Board of Commissioners of the Walworth County Metropolitan Sewerage District adopted the plan amendment on May 15, 2001.

CONCLUDING RECOMMENDATION




Based upon the foregoing, it is recommended that the Southeastern Wisconsin Regional Planning Commission formally amend the sanitary sewer service area for the Elkhorn area as documented in SEWRPC Community Assistance Planning Report No. 56 (2nd Edition), as amended, in the manner identified on Map 1. A more detailed delineation of the revised sewer service area and of the environmentally significant lands within is shown on an aerial photograph reproduced as Map 2.



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

**U. S. Public Land Survey Sections 25, 26, 35, and 36
Township 3 North, Range 16 East**

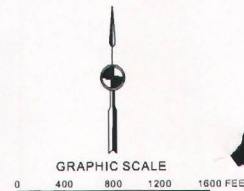


Photography Date: 1995

-  SECONDARY ENVIRONMENTAL CORRIDOR
-  ISOLATED NATURAL RESOURCE AREA
-  WETLANDS AND SURFACE WATER AREAS LESS THAN FIVE ACRES IN SIZE

-  PLANNED SANITARY SEWER SERVICE AREA
-  GROSS SANITARY SEWER SERVICE AREA BOUNDARY

NOTE: This map replaces Map 8, page 14 of *Amendment to the Regional Water Quality Management Plan-Walworth County Metropolitan Sewerage District/Elkhorn Sanitary Sewer Service Area*, March 1995.



Source: SEWRPC.