

AMENDMENT TO THE

REGIONAL WATER QUALITY

MANAGEMENT PLAN

WALWORTH COUNTY

METROPOLITAN SEWERAGE

DISTRICT/WILLIAMS BAY-

GENEVA NATIONAL-LAKE

COMO SANITARY SEWER

SERVICE AREA

AS ADOPTED BY THE

SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION

JUNE 1995

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Thomas D. Patterson Geographic Information Systems Manager
Bruce P. Rubin Chief Land Use Planner
Roland O. Tonn, AICP Chief Community Assistance Planner

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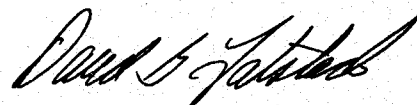
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SUBJECT: Certification of Amendment to the Adopted Regional Water Quality Management Plan (Walworth County Metropolitan Sewerage District/Williams Bay-Geneva National-Lake Como Sanitary Sewer Service Area)

TO: The Legislative Bodies of Concerned Local Units of Government within the Southeastern Wisconsin Region, namely: the County of Walworth, the Village of Williams Bay, the Town of Walworth, and the Walworth County Metropolitan Sewerage District

This is to certify that at the annual meeting of the Southeastern Wisconsin Regional Planning Commission, held at the Washington County Courthouse, West Bend, Wisconsin, on the 21st day of June 1995, the Commission did by unanimous vote by 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 proposed Williams Bay-Geneva National-Lake Como 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 22nd day of June 1995.



David B. Falstad, Chairman
Southeastern Wisconsin
Regional Planning Commission

ATTEST:



Kurt W. Bauer, Deputy Secretary

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RESOLUTION NO. 95-13

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 COMPRISED OF THE COUNTIES OF KENOSHA, MILWAUKEE, OZAUKEE, RACINE, WALWORTH WASHINGTON, AND WAUKESHA IN THE STATE OF WISCONSIN (WILLIAMS BAY-GENEVA NATIONAL-LAKE COMO SANITARY SEWER SERVICE AREA)

WHEREAS, pursuant to Section 66.945(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 urban sanitary sewer service areas attendant to the Walworth County Metropolitan Sewerage District (WalCoMet) sewage treatment plant 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; and

WHEREAS, by letter dated March 15, 1995, the Walworth County Metropolitan Sewerage District (WalCoMet) requested that the Commission amend the Williams Bay-Geneva National-Lake Como sanitary sewer service area tributary to the WalCoMet sewage treatment plant to include lands located adjacent to, but outside, the 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 Walworth County Metropolitan Sewerage District to Amend the Williams Bay-Geneva National-Lake Como Sanitary Sewer Service Area," attached hereto and made a part hereof, which memorandum concludes that the plan amendment requested by the Walworth County Metropolitan Sewerage District is sound and in the public interest; 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 Commission and the Walworth County Metropolitan Sewerage District on June 13, 1995; and

WHEREAS, the Walworth County Metropolitan Sewerage District Commission on June 13, 1995, approved the amendment to the regional water quality management plan as set forth in the aforereferenced Commission staff memorandum; and

WHEREAS, Section 66.945(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 sanitary sewer service areas for the Walworth County Metropolitan Sewerage District, 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 Industry, Labor and Human Relations that public and private sanitary sewer extensions necessary to serve 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 21st day of June 1995, the vote being: Ayes 14; Nays 0.



David B. Falstad, Chairman

ATTEST:



Kurt W. Bauer, Deputy Secretary

SEWRPC STAFF MEMORANDUM

RESPONSE TO REQUEST BY THE WALWORTH COUNTY METROPOLITAN SEWERAGE DISTRICT TO AMEND THE WILLIAMS BAY- GENEVA NATIONAL-LAKE COMO SANITARY SEWER SERVICE AREA

INTRODUCTION

By letter dated March 15, 1995, the Walworth County Metropolitan Sewerage District (WalCoMet) requested that the Southeastern Wisconsin Regional Planning Commission amend the Williams Bay-Geneva National-Lake Como sanitary sewer service area attendant to the WalCoMet sewage treatment plant 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, November 1991. The basic purpose of the amendment would be to include within the planned sewer service area certain lands located immediately adjacent to the Williams Bay portion of this adopted sewer service area, which lands are intended to be utilized for residential, institutional, and recreational uses.

BACKGROUND

On July 12, 1979, the Southeastern Wisconsin Regional Planning Commission formally adopted an areawide water quality management plan for southeastern Wisconsin, as documented in SEWRPC Planning Report No. 30, A Regional Water Quality Management Plan for Southeastern Wisconsin: 2000, Volume One, Inventory Findings, September 1978; Volume Two, Alternative Plans, February 1979; and Volume Three, Recommended Plan, June 1979, to meet the planning requirements established by Section 208 of the Federal Clean Water Act and corresponding State legislation. At that time, a process was also established whereby local, as well as areawide, planning concerns, would be properly reflected in any refinement and detailing effort initiated subsequent to the Commission's adoption of the regional water quality management plan in July 1979. In this regard, numerous refinement efforts for areas tributary to the Walworth County Metropolitan Sewerage District sewage treatment plant were completed, the most recent of which was made in March 1995.

AREA DESCRIPTION

As shown on Map 1, the area proposed to be added to the Williams Bay-Geneva National-Lake Como sanitary sewer service area encompasses approximately 220 acres, and is located in U. S. Public Land Survey Section 2, Township 1 North, Range 16 East, Town of Walworth, Walworth County, Wisconsin.

Currently, about seven acres, or about 3 percent of the area, are encompassed within residential land uses and includes 5 housing units and about 61 acres, or about 28 percent of the area, is encompassed within recreational land uses. The remaining 152 acres, or about 69 percent of the area, consist of agricultural and other open space lands proposed to be developed primarily for residential and institutional land uses. It should also be noted that there are no identified environmentally significant lands within the lands proposed to be added to the Williams Bay-Geneva National-Lake Como sanitary sewer service area.

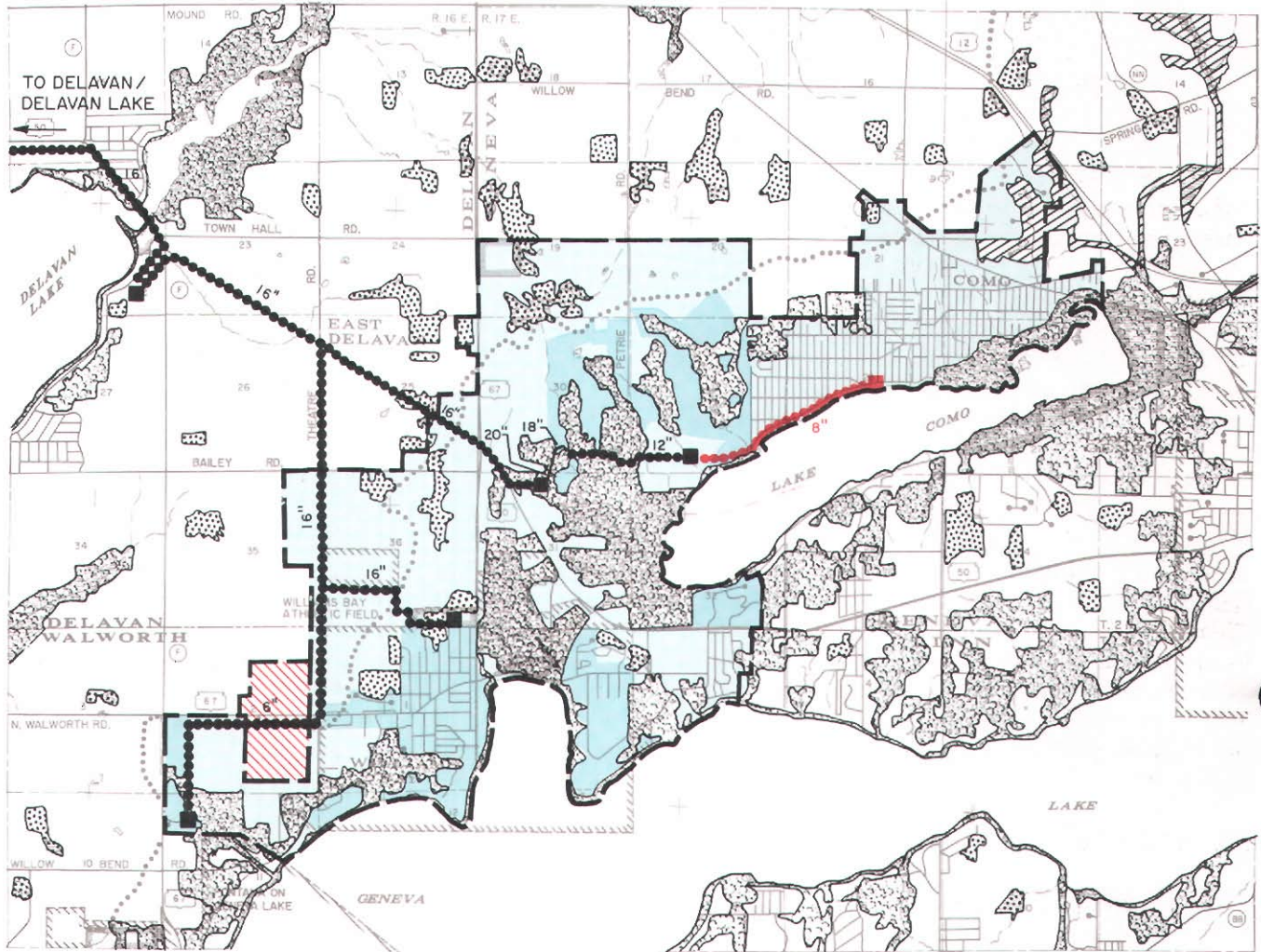
It is anticipated that, upon full development of the 152 acres of agricultural and other open space lands, about 3 acres, or about 2 percent of the area, would be developed for a proposed church; about 68 acres, or about 45 percent of the area, would be developed for single-family residential uses; and about 81 acres, or about 53 percent of the currently undeveloped lands, would be developed for a proposed high school.

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

The revised year 2010 Williams Bay-Geneva National-Lake Como sanitary sewer service area, including the subject additional lands, would encompass about 10.7 square miles and would include about 2.2 square miles

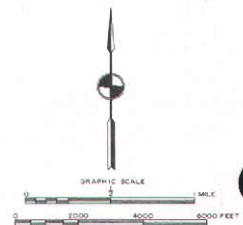
Map 1

**PROPOSED REVISION TO THE WILLIAMS BAY-GENEVA
NATIONAL-LAKE COMO SANITARY SEWER SERVICE AREA**



LEGEND

-  PRIMARY ENVIRONMENTAL CORRIDOR
-  SECONDARY ENVIRONMENTAL CORRIDOR
-  ISOLATED NATURAL RESOURCE AREA
-  NET SANITARY SEWER SERVICE AREA (EXISTING)
-  NET SANITARY SEWER SERVICE AREA (2010)
-  GROSS SANITARY SEWER SERVICE AREA BOUNDARY
-  EXISTING PUMPING STATION
-  EXISTING TRUNK SEWER
-  EXISTING FORCE MAIN
-  PROPOSED PUMPING STATION
-  PROPOSED FORCE MAIN
-  LANDS TO BE ADDED TO THE WILLIAMS BAY-GENEVA NATIONAL-LAKE COMO SANITARY SEWER SERVICE AREA



Source: SEWRPC.

of primary environmental corridor lands, about 0.2 square mile of secondary environmental corridor lands, and about 0.3 square mile of isolated natural resource area lands. Thus, about 2.7 square miles, or about 25 percent of the revised sewer service area, would consist of primary and secondary environmental corridor and isolated natural resource area lands. The revised overall estimated residential density within the Williams Bay-Geneva National-Lake Como sanitary sewer service area, including the subject additional lands, would be about 1.9 dwelling units per net residential acre. This density lies within the recommended density range for the Williams Bay-Geneva National-Lake Como area of the Region as identified in the adopted regional land use plan.

WATER QUALITY IMPACTS

Under the adopted regional water quality management plan and the revised sanitary sewer service area plan herein set forth, it is envisioned that all urban lands within the planned urban service area, including those planned urban lands within the subject area, would receive sanitary sewer service.

As previously noted, there are no primary or secondary environmental corridors, isolated natural resource areas, or surface waters within the lands to be added to the Williams Bay-Geneva National-Lake Como sewer service area. The nearest such identified lands are located approximately 400 feet south of the subject area and are comprised of primary environmental corridor lands associated with Geneva Lake. Therefore, assuming proper site development and construction practices, including appropriate soil erosion control practices, there should be no significant adverse water quality impacts attributable to the development of the subject area. Furthermore, the provision of public sewer service to the area proposed to be added to the service area will reduce the pollutant loadings to both the surface-water and the groundwater systems. Thus, the abandonment of the existing septic systems can be expected to have positive water quality impacts.

COST-EFFECTIVENESS ANALYSIS

The lands in question lie immediately west of, and adjacent to, the currently approved Williams Bay-Geneva National-Lake Como sanitary sewer service area. Furthermore, a sewer maintained and operated by the Town of Walworth Utility District No. 1, tributary to the sewage treatment plant owned and operated by the Walworth County Metropolitan Sewerage District, currently extends through the subject area to the Christian League for the Handicapped development site immediately to the west. The nearest other public sanitary sewer system, the Fontana-Walworth Water Pollution Control Commission system, is approximately one mile to the south. It should be noted that there is general agreement between the Fontana-Walworth Water Pollution Control Commission and WalCoMet on the boundaries of the planned sanitary sewer service areas in this area attendant to the respective sewage treatment plants. Consequently, no further analyses were deemed to be required to conclude that the subject area would be sewered most cost-effectively through the public sewers tributary to the WalCoMet sewerage system.

SEWAGE TREATMENT PLANT CAPACITY IMPACT ANALYSIS

The present design capacity of the Walworth County Metropolitan Sewerage District sewage treatment plant is 3.86 million gallons per day (mgd) on an average annual basis. The current average annual flow rate is about 3.10 mgd. WalCoMet is currently constructing an expansion of, and is upgrading its plant to expand its capacity to 5.56 mgd in the first of two stages toward an ultimate total capacity of 7.60 mgd. The WalCoMet expansion proposals included consideration of current and planned year 2010 loadings from the Williams Bay-Geneva National-Lake Como sanitary sewer service area sewerage system, which system is proposed to be expanded as set forth herein. Upon full development of the subject area in the manner described herein, the sewage flow expected to be generated would be between 0.04 and 0.05 mgd on an average annual basis. Thus, adequate sewage treatment plant capacity currently exists and will continue to exist in the long term through the expansion of the WalCoMet sewage treatment plant, which is expected to be completed in 1996.

PUBLIC REACTION TO THE PLAN AMENDMENT

A public hearing was held on June 13, 1995, at the offices of the Walworth County Metropolitan Sewerage District, for the purpose of receiving comments on the plan amendment. This hearing was sponsored jointly by the Walworth County Metropolitan Sewerage District and the Regional Planning Commission. Summary minutes of the public hearing are presented in Appendix A.

A brief summary of the plan amendment was presented before receiving public comment. The rationale for amending the Williams Bay-Geneva National-Lake Como sanitary sewer service area, tributary to the Walworth County Metropolitan Sewerage District sewage treatment plant, was presented, as was the relationship of the proposed plan amendment to the existing sanitary sewer service area. In addition, the significance of the environmentally sensitive lands within the Williams Bay-Geneva National-Lake Como sewer service area and the impact the plan amendment would have on these lands was presented. The conclusions of an analysis of the most cost-effective means of providing sanitary sewer service to the affected lands and of the impact these lands would have on the Walworth County Metropolitan Sewerage District sewage treatment facility were also discussed. Comments on the staff memorandum and accompanying map were then solicited.

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 as reflected on Map 1.

CONCLUDING RECOMMENDATION

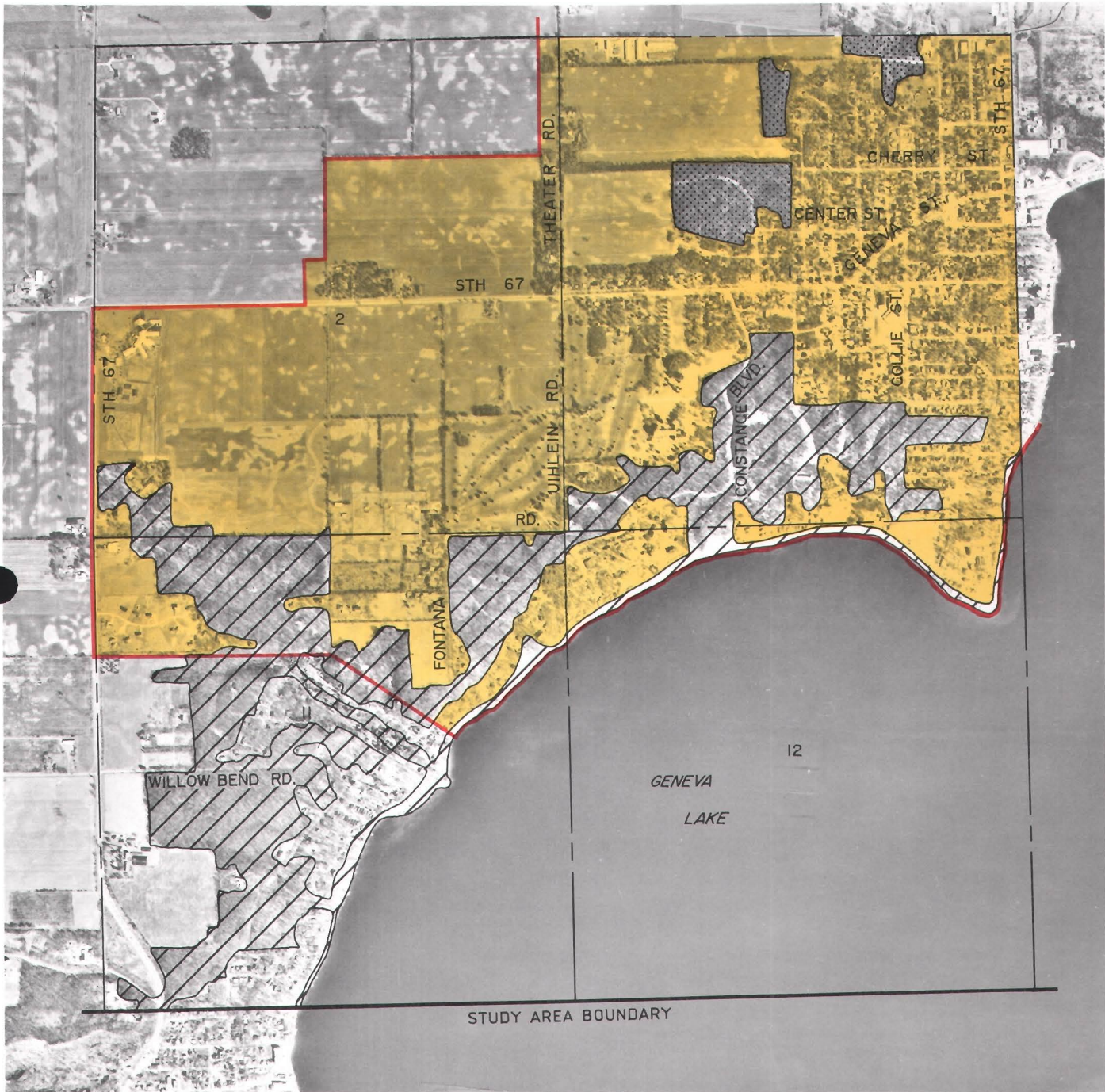
On the basis of the foregoing, it is recommended that the Southeastern Wisconsin Regional Planning Commission formally amend the Williams Bay-Geneva National-Lake Como sanitary sewer service area tributary to the sewage treatment plant owned and operated by the Walworth County Metropolitan Sewerage District as documented in the aforereferenced SEWRPC Community Assistance Planning No. 56, 2nd Edition as amended, in the manner identified on Map 1.

A more detailed delineation of the amended sewer service area is shown on an aerial photograph reproduced as Map 2.





Map 2

ENVIRONMENTALLY SIGNIFICANT LANDS AND PLANNED SANITARY SEWER SERVICE
AREA FOR THE WALWORTH COUNTY METROPOLITAN SEWERAGE DISTRICT AND ENVIRONS

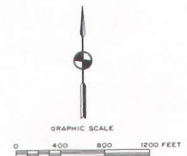
U. S. Public Land Survey Sections 1, 2, 11, and 12
Township 1 North, Range 16 East



LEGEND

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

NOTE: This map replaces Map 11-45, page 76, of 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.



Source: SEWRPC.

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APPENDICES

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Appendix A

MINUTES OF PUBLIC HEARING

**Sanitary Sewer Service Area for the Williams Bay-Geneva
National-Lake Como Sanitary Sewer Service Area
June 13, 1995**

CALL TO ORDER The public hearing was called to order by President Reader at 1:00 p.m.

STATEMENT OF PURPOSE The public hearing is being held for the purpose of receiving public comment on, and reaction to, a proposed amendment to the year 2010 Williams Bay-Geneva National-Lake Como sewer service area plan for the Walworth County Metropolitan Sewerage District (WalCoMet).

INTRODUCTION President Reader introduced the following persons in attendance:

Joseph S. Cannestra, Administrator
J. Philip Reader, President
James Christianson, Commissioner
Lloyd L. Jensen, Commissioner
Patrick J. Moore, Commissioner
Donald P. Scully, Commissioner
Timothy D. Fenner, Axley Brynelson
Evelyn L. Seaver, Secretary
Cindy M. Moehling, Accountant
Bruce Rubin, SEWRPC
Joel Dietl, SEWRPC
Roger Huchthausen, Strand Associates, Inc.
Robert Schutt, City of Delavan
Rick Jones, Crispell-Snyder, Inc.

Bruce Rubin of SEWRPC briefly explained with the aid an air photo the requested amendment to the Williams Bay-Geneva National-Lake Como sanitary sewer service area. The basic purpose of the amendment would be to include within the planned sewer service area certain lands located immediately adjacent to the Williams Bay portion of this adopted sewer service area which are intended to be utilized for residential, institutional, and recreational uses.

After Mr. Rubin's presentation, President Reader asked Mr. Rubin if there would be a waiting period before the WalCoMet commission formally adopted the resolution to amend. Mr. Rubin said there would not. He then asked three times for comments or questions concerning this amendment. There being none, he declared the public hearing adjourned at 1:15 p.m.

Respectfully submitted,

Donald P. Scully, Secretary