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SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION STAFF

Philip C. Evenson, AICP Executive Director
Kenneth R. Yunker, PE Assistant Director
Robert P. Biebel, PE Chief Environmental Engineer
Nancy M. Anderson Chief Community Assistance Planner
Leland H. Kreblin, RLS Chief Planning Illustrator
Elizabeth A. Larsen Administrative Officer
Donald R. Martinson, PE Chief Transportation Planner
John G. McDougall Geographic Information Systems Manager
John R. Meland Chief Economic Development Planner
Donald M. Reed
William J. Stauber, AICP

SOUTHEASTERN WISCONSIN REGIONAL PLANNING

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Serving the Counties of: KENOSHA

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FAX

SUBJECT:

Certification of Amendment to the Adopted Regional Water Quality

Management Plan (Muskego Sanitary Sewer Service Area)

TO:

The Legislative Bodies of Concerned Local Units of Government within the Southeastern Wisconsin Region, namely: the County of Waukesha, the City of Muskego, and the

Milwaukee Metropolitan Sewerage District

This is to certify that at the meeting of the Southeastern Wisconsin Regional Planning Commission, held at the Midwest Express Center, Milwaukee, Wisconsin, on the 1st day of December 1999, the Commission did by unanimous vote by all Commissioners present, being 16 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 sanitary sewer service area for the City of Muskego 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 2nd day of December 1999.

> Thomas H. Buestrin, Chairman Southeastern Wisconsin

Regional Planning Commission

ATTEST:

Philip C. Evenson, Deputy Secretary

Philip C- Evenson

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RESOLUTION NO. 99-17

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 (MUSKEGO SANITARY SEWER SERVICE AREA)

WHEREAS, pursuant to Section 66.945(10) of the <u>Wisconsin Statutes</u>, 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, <u>A Regional Water Quality Management Plan for Southeastern Wisconsin: 2000; and</u>

WHEREAS, at a meeting held on the 3rd day of December 1997, the Commission duly adopted an amendment to the regional water quality management plan refining and detailing the Muskego sanitary sewer service area as documented in SEWRPC Community Assistance Planning Report No. 64 (3rd Edition), Sanitary Sewer Service Area for the City of Muskego, Waukesha County, Wisconsin, December 1997; and

WHEREAS, by letter dated October 21, 1999, the City of Muskego requested that the Commission amend the Muskego sanitary sewer service area to provide consistency with a recently executed intergovernmental service agreement between the City of Muskego and the Milwaukee Metropolitan Sewerage District; ensure that all properties currently receiving public anitary sewer service are included in the sewer service area; and ensure that, to the maximum extent practicable, the sewer service area boundary follows real property boundaries; 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 Muskego to amend the Muskego Sanitary Sewer Service Area," attached hereto and made a part hereof; and

WHEREAS, Section 66.945(9) of the <u>Wisconsin Statutes</u> 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:

<u>FIRST</u>: 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 3rd day of December 1997 to include the refined Muskego sewer service area, as set forth in SEWRPC Community Assistance Planning Report No. 64 (3rd Edition), be and the same hereby is amended in the manner identified on Maps 1 and 2 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.

HIRD: 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 Southeaster Wisconsin Regional Planning Commission held on the 1st day of December 1999, the vote being: Ayes 16; Nays 0.

Thomas H. Buestrin, Chairman

ATTEST:

Philip C- Evenson

Philip C. Evenson, Deputy Secretary

SEWRPC STAFF MEMORANDUM

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

INTRODUCTION

By letter dated October 21, 1999, the City of Muskego requested that the Southeastern Wisconsin Regional Planning Commission amend the City of Muskego sanitary sewer service area tributary to the Milwaukee Metropolitan Sewerage District as that area is currently documented in SEWRPC Community Assistance Planning Report No. 64 (3rd Edition), Sanitary Sewer Service Area for the City of Muskego, Waukesha County, Wisconsin, dated December 1997. The proposed amendment consists of adjustments on the periphery of the sewer service area intended to accomplish the following: provide consistency with a recently executed intergovernmental service agreement between the City of Muskego and the Milwaukee Metropolitan Sewerage District; ensure that all properties currently receiving public sanitary sewer service area included in the sewer service area; and ensure that, to the maximum extent practicable, the sewer service area boundary follows real property boundaries.

CURRENTLY ADOPTED MUSKEGO SANITARY SEWER SERVICE AREA

The currently adopted Muskego sanitary sewer service area tributary to the Milwaukee Metropolitan Sewerage District (MMSD) is shown on Map 1. This area encompasses 18.0 square miles. A total of 4.5 square miles, or one-fourth of the sewer service area, is located within environmentally significant areas consisting of 2.4 square miles of primary environmental corridor, 1.4 square miles of secondary environmental corridor, 0.6 square mile of isolated natural resource areas, and 48 acres of wetlands and surface water areas less than five acres in size.

JUSTED MUSKEGO SANITARY SEWER SERVICE AREA

The proposed adjustments to the Muskego-MMSD sanitary sewer service area are shown on Map 1. The proposed Muskego-MMSD sewer service area including those adjustments is shown on Map 2. The changes are proposed in order to better match the sewer service area with property boundaries and to make it consistent with the agreement for sewer service between the City of Muskego and the Milwaukee Metropolitan Sewerage District. With the proposed adjustments, the Muskego-MMSD sanitary sewer service area would encompass a total area of 18.7 square miles, which is about 0.7 square mile, or 4 percent, greater than the currently adopted area. About 4.7 square miles, or 25 percent, of the proposed sewer service area would consist of environmentally significant lands, including 2.6 square miles of primary environmental corridor, 1.4 square miles of secondary environmental corridor, 0.6 square mile of isolated natural resource areas, and 0.1 square mile of wetland and surface water areas less than five acres in size. As indicated on Map 2, certain of these areas are ineligible for sewer service. These include all primary environmental corridor, as well as floodplains, shorelands, wetlands, and steeply-sloped areas within secondary environmental corridors and isolated natural resource areas.

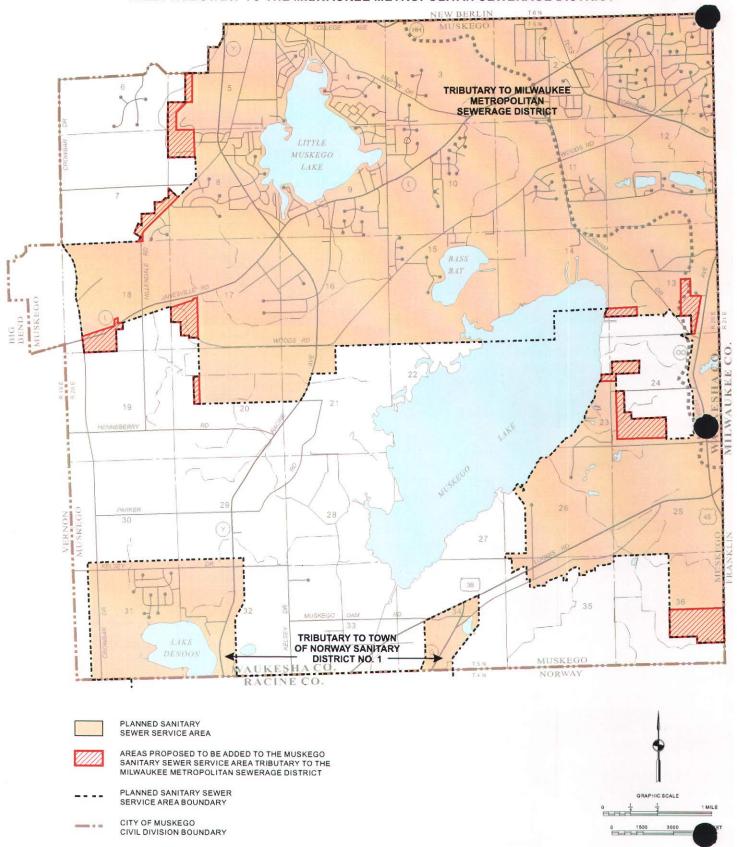
Of the 420 acres which would be added to the sewer service area as a result of the sewer service area adjustments, about 125 acres consist of primary environmental corridors, secondary environmental corridors, isolated natural resource areas, or small wetlands; about 100 acres consist of existing urban lands or the backlot portions of parcels having minimal, if any development potential; and about 75 acres would accommodate a landfill expansion project. The balance of about 120 acres would be available for urban development, primarily for residential use, and could be expected to accommodate a population of about 250 persons. This would represent an increase of about 1 percent over the planned year 2010 population of 25,100 envisioned for the currently adopted sewer service area.

WATER QUALITY IMPACTS

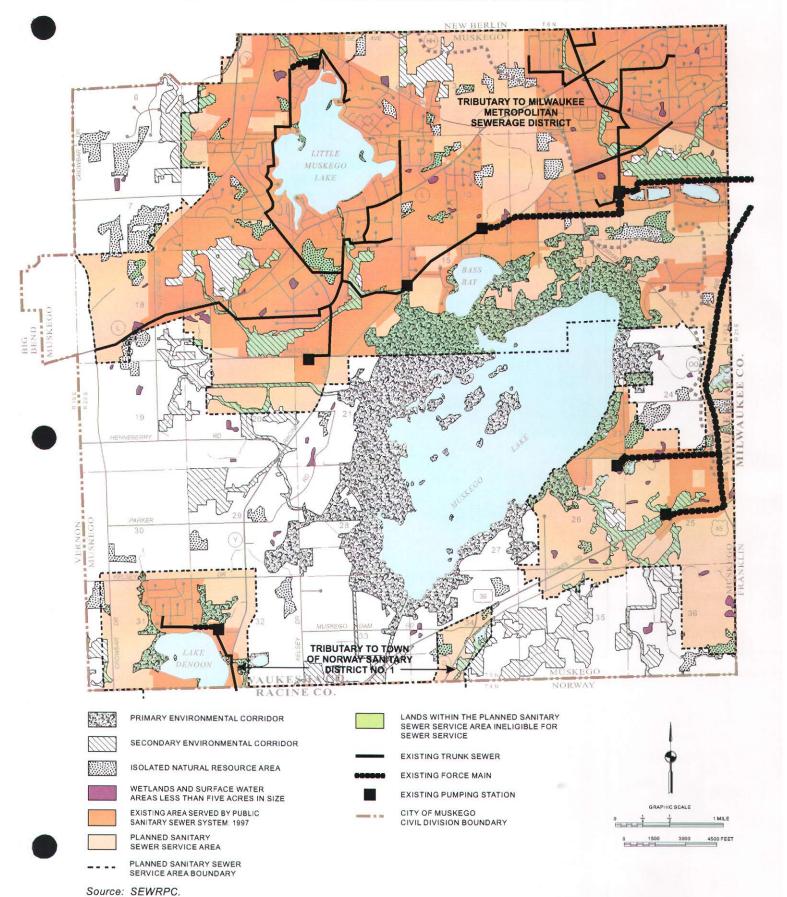
Under the adopted regional water quality management plan and the revised sanitary sewer service area plan herein set forth, envisioned that all urban lands located within the planned urban service area would receive sanitary sewer service. In ition, the provision of public sanitary sewer service to those lands within the planned sanitary sewer service area which are currently developed and served by onsite sewage disposal systems may be expected to reduce pollutant loadings from the existing onsite sewage disposal systems to both surface and ground waters. Accordingly, assuming that any applicable

Map 1

PROPOSED ADDITIONS TO THE CITY OF MUSKEGO SANITARY SEWER SERVICE AREA TRIBUTARY TO THE MILWAUKEE METROPOLITAN SEWERAGE DISTRICT



Map 2
CITY OF MUSKEGO PLANNED SANITARY SEWER SERVICE AREA



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.

COST-EFFECTIVENESS ANALYSIS

The amended sewer service area would be tributary to the Milwaukee Metropolitan Sewerage District sewage treatment facilities. The major conveyance and treatment components of the facilities needed to serve the proposed Muskego sewer service area through the Milwaukee Metropolitan Sewerage District system are in place.

SEWAGE TREATMENT PLANT CAPACITY IMPACT ANALYSIS

The Milwaukee Metropolitan Sewerage District (MMSD) recently completed an updated facilities plan containing forecast year 2010 sewage flows and loadings for its sewerage system, as well as a determination of facility needs to properly convey and treat the forecast sewage flows and loadings. The facility planning was based upon the currently adopted sewer service area and accounted for the sewage flow expected to be generated from that area. Given the marginal nature of the proposed change to the sewer service area, the MMSD sewerage system, including the treatment plants, should have adequate capacity to serve the adjusted sewer service area.

PUBLIC REACTION TO THE PLAN AMENDMENT

Notice of the plan amendment was published in the *Muskego Sun* on November 18, 1999, and copies of a draft report setting forth the amendment were made available for public review at the Muskego City Hall. Persons wishing to comment on the plan amendment were asked to submit their concerns in writing to the City of Muskego. The comment period was held open for seven days.

No substantive comments or concerns were presented during the public comment period. Accordingly, no changes were made to the proposed plan amendment as initially drafted.

LOCAL GOVERNMENT SUPPORT FOR THE PLAN AMENDMENT

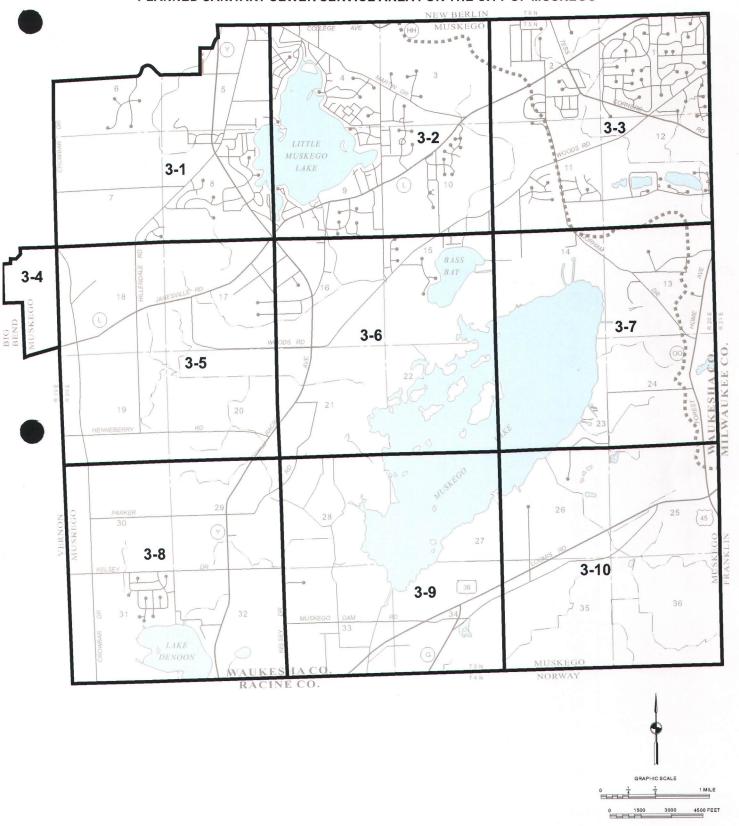
The Common Council of the City of Muskego adopted the plan amendment on November 23, 1999.

CONCLUDING RECOMMENDATION

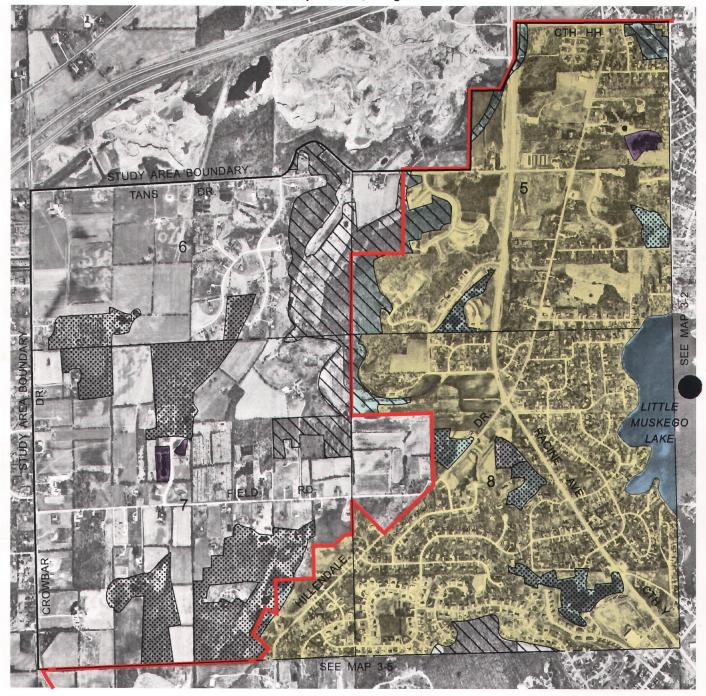
Based upon the foregoing, it is recommended that the Southeastern Wisconsin Regional Planning Commission formally amend the sanitary sewer service area for the City of Muskego as documented in SEWRPC Community Assistance Planning Report No. 64 (3rd Edition) in the manner identified on Map 2. A more detailed delineation of the revised sewer service area and of the environmentally significant lands within is shown on a series of aerial photographs reproduced as Map 3 on pages 5 through 15 of this report.

Map 3

INDEX OF MAPS SHOWING ENVIRONMENTALLY SIGNIFICANT LANDS AND PLANNED SANITARY SEWER SERVICE AREA FOR THE CITY OF MUSKEGO



U. S. Public Land Survey Sections 5, 6, 7, and 8 Township 5 North, Range 20 East



SECONDARY ENVIRONMENTAL CORRIDOR

ISOLATED NATURAL RESOURCE AREA

WETLANDS AND SURFACE WATER AREAS LESS THAN FIVE ACRES IN SIZE



SURFACE WATER WITHIN ENVIRONMENTAL CORRIDORS AND ISOLATED NATURAL RESOURCE AREAS

Source: SEWRPC.



PLANNED SANITARY SEWER SERVICE AREA



LANDS WITHIN THE PLANNED SANITARY SEWER SERVICE AREA INELIGIBLE FOR SEWER SERVICE

GROSS SANITARY SEWER SERVICE AREA BOUNDARY

NOTE:

This map replaces Map 7-1, page 20, of SEWRPC Community Assistance Planning Report No. 64 (3rd Edition), Sanitary Sewer Service Area for the City of Muskego, Waukesha County, Wisconsin, December 1997.



U. S. Public Land Survey Sections 3, 4, 9, and 10 Township 5 North, Range 20 East



PRIMARY ENVIRONMENTAL CORRIDOR



SECONDARY ENVIRONMENTAL CORRIDOR



ISOLATED NATURAL RESOURCE AREA



WETLANDS AND SURFACE WATER AREAS LESS THAN FIVE ACRES IN SIZE

Source: SEWRPC.

SURFACE WATER WITHIN ENVIRONMENTAL CORRIDORS AND ISOLATED NATURAL RESOURCE AREAS



PLANNED SANITARY SEWER SERVICE AREA



LANDS WITHIN THE PLANNED SANITARY SEWER SERVICE AREA INELIGIBLE FOR SEWER SERVICE



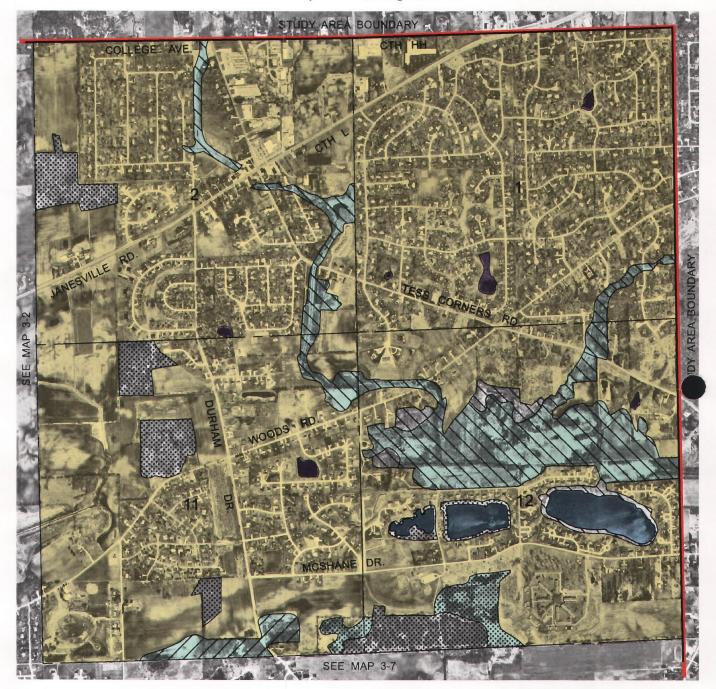
SERVICE AREA INCLIGIBLE FOR SEWER SERVICE

GROSS SANITARY SEWER SERVICE AREA BOUNDARY

NOTE: This map replaces Map 7-2, page 21, of SEWRPC Community Assistance Planning Report No. 64 (3rd Edition), Sanitary Sewer Service Area for the City of Muskego, Waukesha County, Wisconsin, December 1997.



U. S. Public Land Survey Sections 1, 2, 11, and 12 Township 5 North, Range 20 East





PRIMARY ENVIRONMENTAL CORRIDOR



SECONDARY ENVIRONMENTAL CORRIDOR



ISOLATED NATURAL RESOURCE AREA



WETLANDS AND SURFACE WATER AREAS LESS THAN FIVE ACRES IN SIZE

Source: SEWRPC.





PLANNED SANITARY SEWER SERVICE AREA



LANDS WITHIN THE PLANNED SANITARY SEWER SERVICE AREA INELIGIBLE FOR SEWER SERVICE

GROSS SANITARY SEWER SERVICE AREA BOUNDARY



TE: This map replaces Map 7-3, page 22, of SEWRPC Community Assistance Planning Report No. 64 (3rd Edition), Sanitary Sewer Service Area for the City of Muskego, Waukesha County, Wisconsin, December 1997.



U. S. Public Land Survey Sections 13 and 24 Township 5 North, Range 19 East



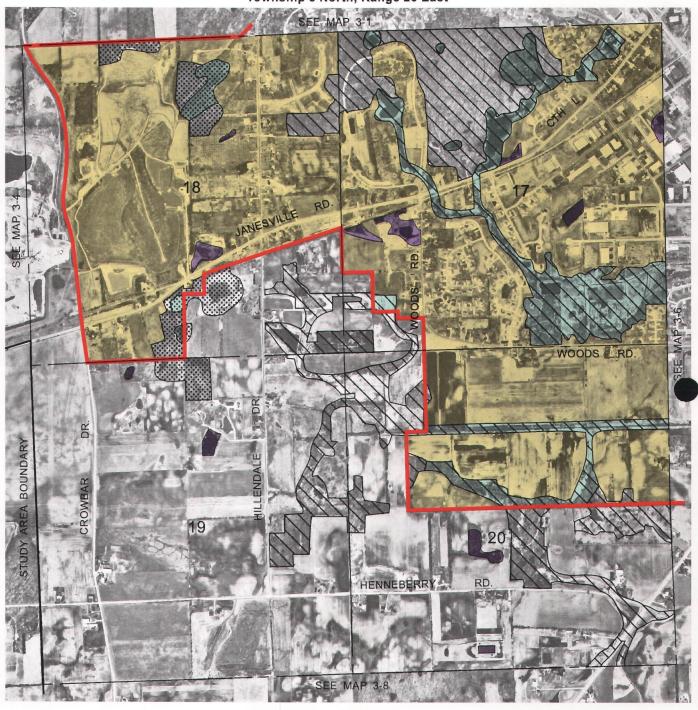


GROSS SANITARY SEWER SERVICE AREA BOUNDARY

This map replaces Map 7-4, page 23, of SEWRPC Community Assistance Planning Report No. 64 (3rd Edition), Sanitary Sewer Service Area for the City of Muskego, Waukesha County, Wisconsin, December 1997. NOTE:



U. S. Public Land Survey Sections 17, 18, 19, and 20 Township 5 North, Range 20 East



SECONDARY ENVIRONMENTAL CORRIDOR

ISOLATED NATURAL RESOURCE AREA



WETLANDS AND SURFACE WATER AREAS LESS THAN FIVE ACRES IN SIZE



SURFACE WATER WITHIN ENVIRONMENTAL CORRIDORS AND ISOLATED NATURAL RESOURCE AREAS

Source: SEWRPC.



PLANNED SANITARY SEWER SERVICE AREA

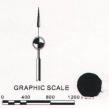


LANDS WITHIN THE PLANNED SANITARY SEWER SERVICE AREA INELIGIBLE FOR SEWER SERVICE

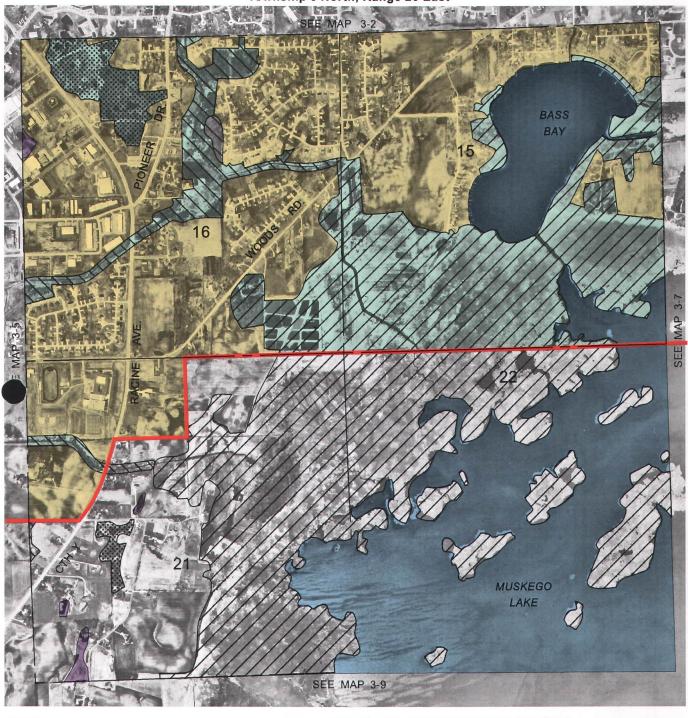
GROSS SANITARY SEWER SERVICE AREA BOUNDARY

NOTE:

This map replaces Map 7-5, page 24, of SEWRPC Community Assistance Planning Report No. 64 (3rd Edition), <u>Sanitary Sewer Service Area for the City of Muskego</u>, <u>Waukesha County</u>, <u>Wisconsin</u>, December 1997.



U. S. Public Land Survey Sections 15, 16, 21, and 22 Township 5 North, Range 20 East



PRIMARY ENVIRONMENTAL CORRIDOR



SECONDARY ENVIRONMENTAL CORRIDOR



ISOLATED NATURAL RESOURCE AREA



WETLANDS AND SURFACE WATER AREAS LESS THAN FIVE ACRES IN SIZE

Source: SEWRPC.

SURFACE WATER WITHIN ENVIRONMENTAL CORRIDORS AND ISOLATED NATURAL RESOURCE AREAS



PLANNED SANITARY SEWER SERVICE AREA



LANDS WITHIN THE PLANNED SANITARY SEWER SERVICE AREA INELIGIBLE FOR SEWER SERVICE

GROSS SANITARY SEWER SERVICE AREA BOUNDARY

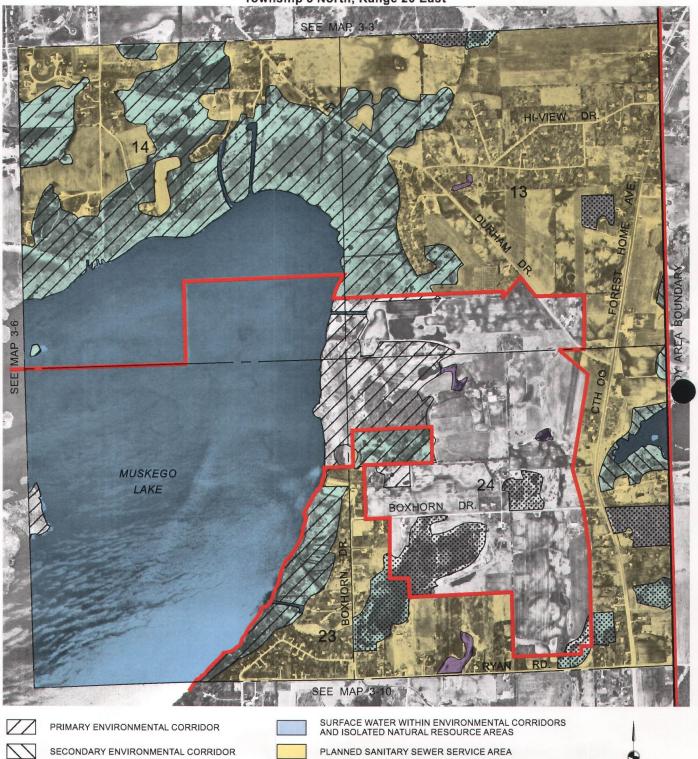


NOTE:

This map replaces Map 7-6, page 25, of SEWRPC Community Assistance Planning Report No. 64 (3rd Edition), Sanitary Sewer Service Area for the City of Muskego, Waukesha County, Wisconsin, December 1997.



U. S. Public Land Survey Sections 13, 14, 23, and 24 Township 5 North, Range 20 East



SECONDARY ENVIRONMENTAL CORRID

ISOLATED NATURAL RESOURCE AREA

WETLANDS AND SURFACE WATER
AREAS LESS THAN FIVE ACRES IN SIZE

Source: SEWRPC.

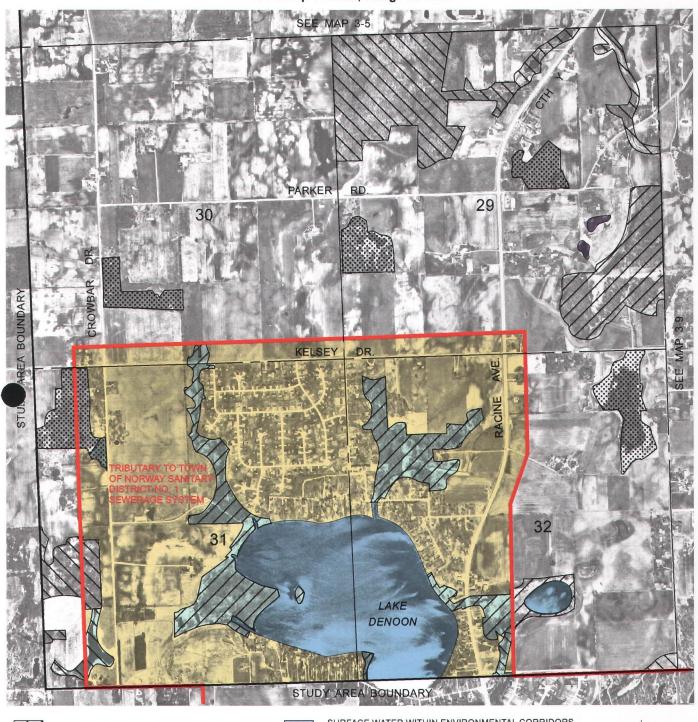
GROSS SANITARY SEWER SERVICE AREA BOUNDARY

LANDS WITHIN THE PLANNED SANITARY SEWER SERVICE AREA INELIGIBLE FOR SEWER SERVICE

OTE: This map replaces Map 7-7, page 26, of SEWRPC Community Assistance Planning Report No. 64 (3rd Edition), Sanitary Sewer Service Area for the City of Muskego, Waukesha County, Wisconsin, December 1997.



U. S. Public Land Survey Sections 29, 30, 31, and 32 Township 5 North, Range 20 East



PRIMARY ENVIRONMENTAL CORRIDOR



SECONDARY ENVIRONMENTAL CORRIDOR



ISOLATED NATURAL RESOURCE AREA



WETLANDS AND SURFACE WATER AREAS LESS THAN FIVE ACRES IN SIZE

Source: SEWRPC.

SURFACE WATER WITHIN ENVIRONMENTAL CORRIDORS AND ISOLATED NATURAL RESOURCE AREAS

GROSS SANITARY SEWER SERVICE AREA BOUNDARY



PLANNED SANITARY SEWER SERVICE AREA



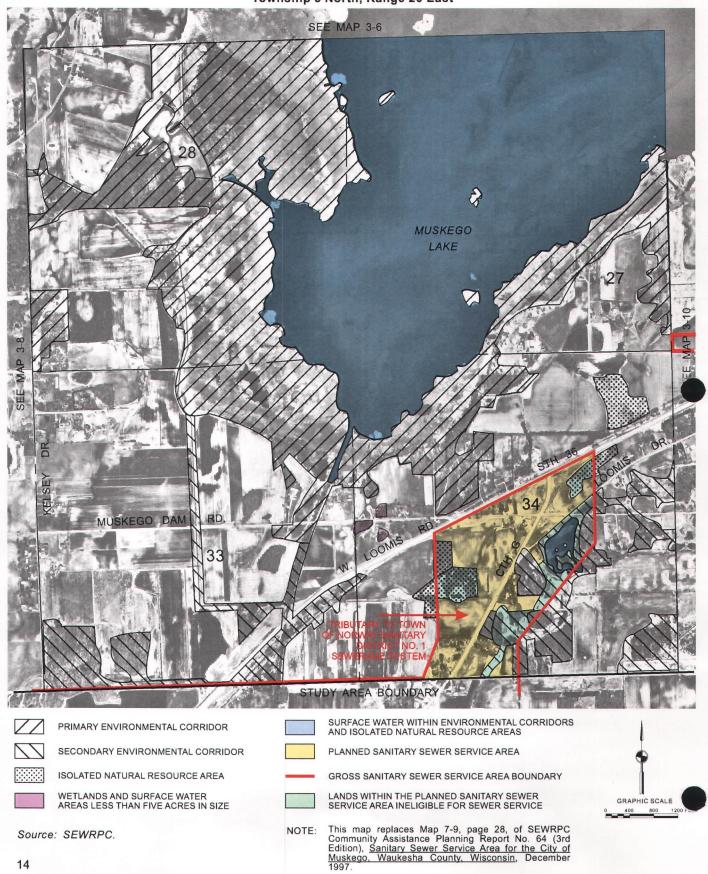
LANDS WITHIN THE PLANNED SANITARY SEWER SERVICE AREA INELIGIBLE FOR SEWER SERVICE



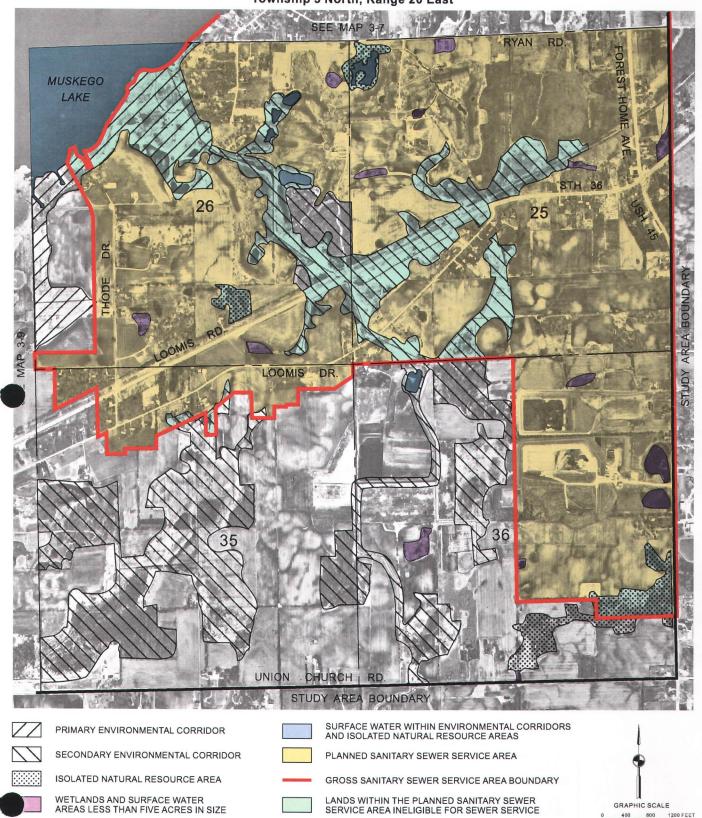
This map replaces Map 7-8, page 27, of SEWRPC Community Assistance Planning Report No. 64 (3rd Edition), Sanitary Sewer Service Area for the City of Muskego, Waukesha County, Wisconsin, December 1997. NOTE:



U. S. Public Land Survey Sections 27, 28, 33, and 34 Township 5 North, Range 20 East



U. S. Public Land Survey Sections 25, 26, 35, and 36 Township 5 North, Range 20 East



NOTE:

This map replaces Map 7-10, page 29, of SEWRPC Community Assistance Planning Report No. 64 (3rd Edition), Sanitary Sewer Service Area for the City of Muskego, Waukesha County, Wisconsin, December 1997.