

AMENDMENT TO THE

**REGIONAL WATER QUALITY  
MANAGEMENT PLAN**

**VILLAGE OF CALEDONIA**

AS ADOPTED BY THE

SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION

DECEMBER 2006

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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 (Racine and Environs 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 Racine, the Village of Caledonia, and the Village of Mount Pleasant

This is to certify that at the meeting of the Southeastern Wisconsin Regional Planning Commission, held at the Port of Milwaukee Offices, Milwaukee, Wisconsin, on the 6th day of December 2006, 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 Racine and Environs 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 7th day of December 2006.

Thomas H. Buestrin, Chairman  
Southeastern Wisconsin  
Regional Planning Commission

ATTEST:

Philip C. Evenson, Deputy Secretary

**RESOLUTION NO. 2006-21**

**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 (RACINE AND ENVIRONS 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 18th day of June 2003, the Commission duly adopted an amendment to the regional water quality management plan refining and detailing the Racine and environs sanitary sewer service area as documented in SEWRPC Community Assistance Planning Report No. 147 (2nd Edition), *Sanitary Sewer Service Area for the City of Racine and Environs, Racine and Kenosha Counties, Wisconsin*, dated June 2003; and

WHEREAS, by letter dated October 4, 2006, the City of Racine and the Village of Caledonia requested that the Commission amend the Racine and environs 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 Racine Wastewater Utility and the Village of Caledonia to Amend the City of Racine and Environs 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 Racine Wastewater Utility and the Regional Planning Commission on October 31, 2006; 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 18th day of June 2003 to include the refined Racine and environs sewer service area, as set forth in SEWRPC Community Assistance Planning Report No. 147 (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.

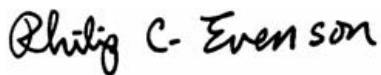
THIRD: That a true, correct, and exact copy of this resolution, together with the aforementioned SEWRPC staff memorandum, shall be forthwith distributed to each of the local legislative bodies of the local governmental units within the Region entitled thereto and to such other bodies, agencies, or individuals 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 6th day of December 2006, 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 RACINE WASTEWATER UTILITY AND THE VILLAGE OF CALEDONIA TO AMEND THE CITY OF RACINE AND ENVIRONS SANITARY SEWER SERVICE AREA

#### INTRODUCTION AND BACKGROUND

By letter dated October 4, 2006, the Racine Wastewater Utility, on behalf of the Village of Caledonia, requested that the Southeastern Wisconsin Regional Planning Commission amend the Racine and environs sanitary sewer service area tributary to the City of Racine sewage treatment facility. That area is currently documented in SEWRPC Community Assistance Planning Report No. 147 (2nd Edition), *Sanitary Sewer Service Area for the City of Racine and Environs, Racine and Kenosha Counties, Wisconsin*, dated June 2003, as amended. The basic purpose of this amendment would be to include within the planned Racine and environs sewer service area certain lands located immediately adjacent to, but outside, the currently adopted sewer service area.

#### BACKGROUND AND AREA DESCRIPTION

The area proposed to be added to the Racine and environs sanitary sewer service area is shown on Map 1, and encompasses 59 acres located at the intersection of CTH K and CTH V in the Village of Caledonia. The subject area contains 8 acres of existing urban land—primarily road rights-of-way—and 51 acres in agricultural use, with no environmentally significant areas. The subject area is anticipated to be developed for commercial and residential use. The portion to be developed for residential use would accommodate about 85 housing units with an estimated population of about 200 persons. A more detailed delineation of the amended sewer service area is shown on the aerial photograph reproduced as Map 2.

The subject area is located within an area along the IH 94 corridor in Racine County for which a sewerage facilities planning study is underway. The purpose of that study is to evaluate the cost-effectiveness of alternative trunk sewer routes to serve lands within that corridor. The study will determine whether wastewater from the IH 94 corridor in the Village of Caledonia and elsewhere should be conveyed to the Racine sewage treatment plant easterly, via a trunk sewer extending northerly and easterly of CTH K and the Hoods Creek pumping station sewer system, or southerly, via an interceptor through the Village of Mt. Pleasant, as is presently recommended in the adopted regional water quality management plan.

The Village of Caledonia is seeking to amend the sewer service area at this time—enabling the subject area to be served through the Franksville interceptor—in order to permit development of the subject area to move forward in the near term. If the aforementioned facilities planning study determines that the southerly interceptor through Mt. Pleasant is the more cost effective way to serve the IH 94 corridor, the subject area will likely ultimately be detached from the Franksville interceptor and connected to the southerly interceptor.

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

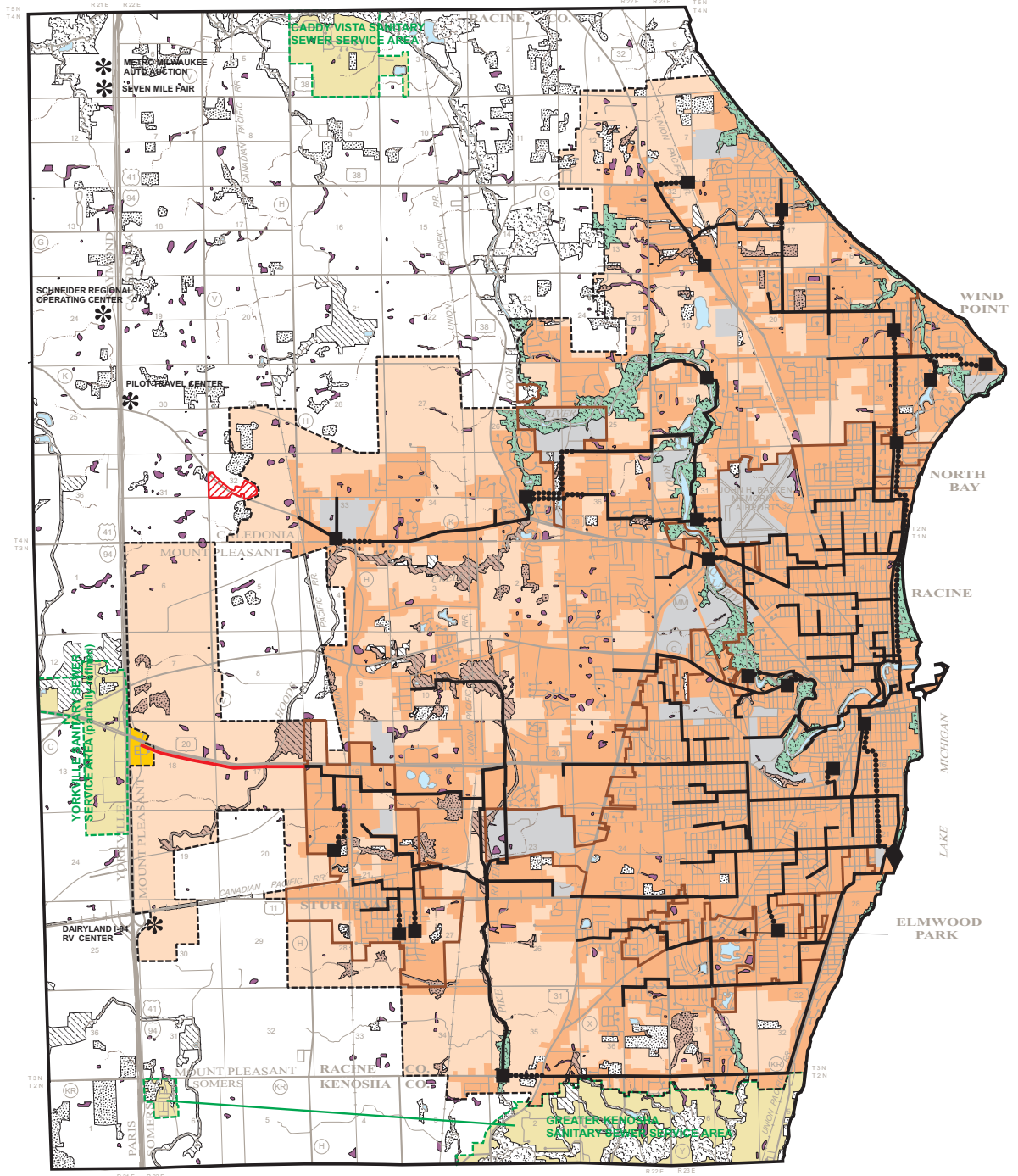
The proposed addition of 59 acres to the Racine and environs sewer service area represents an increase in the planned sewer service area of less than one percent. Including the potential population of the area proposed to be added to the sewer service area at this time, the buildout population of the sewer service area—that is, the estimated population which could be accommodated upon full development of the sewer service area—would remain within the year 2035 population projection range for the Racine area embodied in the regional land use plan.

#### WATER QUALITY IMPACTS

Under the adopted regional water quality management plan and the Racine and environs sanitary sewer service plan presented herein, it is envisioned that all new urban development within the planned urban service area

Map 1

PROPOSED AMENDMENT TO THE CITY OF RACINE AND ENVIRONS PLANNED SANITARY SEWER SERVICE AREA

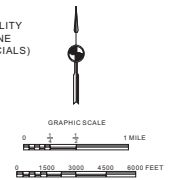


- PRIMARY ENVIRONMENTAL CORRIDOR
- SECONDARY ENVIRONMENTAL CORRIDOR
- ISOLATED NATURAL RESOURCE AREA
- WETLANDS AND SURFACE WATER AREAS LESS THAN FIVE ACRES IN SIZE
- AREA PROPOSED TO BE ADDED TO THE RACINE AND ENVIRONS SANITARY SEWER SERVICE AREA

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 AREA SERVED BY SANITARY SEWERS TRIBUTARY TO THE CITY OF RACINE SEWAGE TREATMENT PLANT: 2000
- RACINE AND ENVIRONS PLANNED SANITARY SEWER SERVICE AREA: 2020
- AREA TO BE DETACHED FROM THE TOWN OF YORKVILLE SEWER UTILITY DISTRICT NO. 1 SEWER SERVICE AREA AND ATTACHED TO THE RACINE SEWER SERVICE AREA (TIMING TO BE DETERMINED BY LOCAL OFFICIALS)
- AIRPORTS, LARGE PARK AND RECREATION SITES, AND SIMILAR USES WITHIN THE SEWER SERVICE AREA
- LOCATIONS WITH HOLDING TANK WASTES ACCEPTED BY THE CITY OF RACINE SEWAGE TREATMENT FACILITY (ALSO INCLUDES NORTH CAPE ELEMENTARY SCHOOL IN THE TOWN OF RAYMOND-NOT SHOWN)
- EXISTING PUBLIC SEWAGE TREATMENT FACILITY
- EXISTING TRUNK SEWER
- EXISTING FORCE MAIN
- EXISTING PUMPING STATION
- PROPOSED TRUNK SEWER



would receive sanitary sewer service. 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 planned sanitary sewer service area.

## SEWAGE TREATMENT PLANT CAPACITY ANALYSIS

The City of Racine sewage treatment plant has a capacity to treat 36 million gallons per day (mgd) of wastewater on an average daily basis. The current loading to the plant is about 26 mgd on an average annual basis. The anticipated sewage flow to be generated in the subject area proposed to be added to the sewer service area is estimated to be about 0.3 mgd on an average annual basis. Thus, the treatment plant has capacity to treat sewage flows from the areas proposed to be added to the sewer service area.

In 1998, the Racine Wastewater Utility prepared a facility plan for upgrading and expansion of the sewage treatment plant. The planned expansion, which was largely completed in 2005, increased the treatment plant capacity to 36 mgd and provided additional facilities to handle peak wet-weather sewage flows. Other improvements to the sewerage system are in progress or are planned to be constructed later.

If the vacant developable lands within the Racine and environs sewer service area were fully developed in accordance with local plans, flows to the City of Racine sewage treatment facility would approximate 35 to 40 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 will actually occur upon full development of the planned sewer service area, the sewage treatment plant is likely to have adequate capacity to serve the sewer service area over the entire planning period.

As previously indicated, a study is currently underway to evaluate the cost effectiveness of alternative trunk sewer routes within and beyond the currently adopted Racine and environs planned sanitary sewer service area. It is envisioned that, after that study is completed, the Regional Planning Commission will be requested to amend the Racine sewer service area to include significant additional lands in the IH 94 corridor. **If the sewer service area is expanded, and urban development ensues, the sewage treatment plant may need to be expanded during the planning period (before 2035) to accommodate flows from the expanded sewer service area.**

## PUBLIC REACTION TO THE PLAN AMENDMENT

A public hearing was held on October 31, 2006, at the Racine City Hall Annex to receive public comment on, and reaction to, the proposed plan amendment. The hearing was sponsored by the Racine Wastewater Utility Commission 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 Racine Wastewater Utility Commission adopted the plan amendment on October 31, 2006.

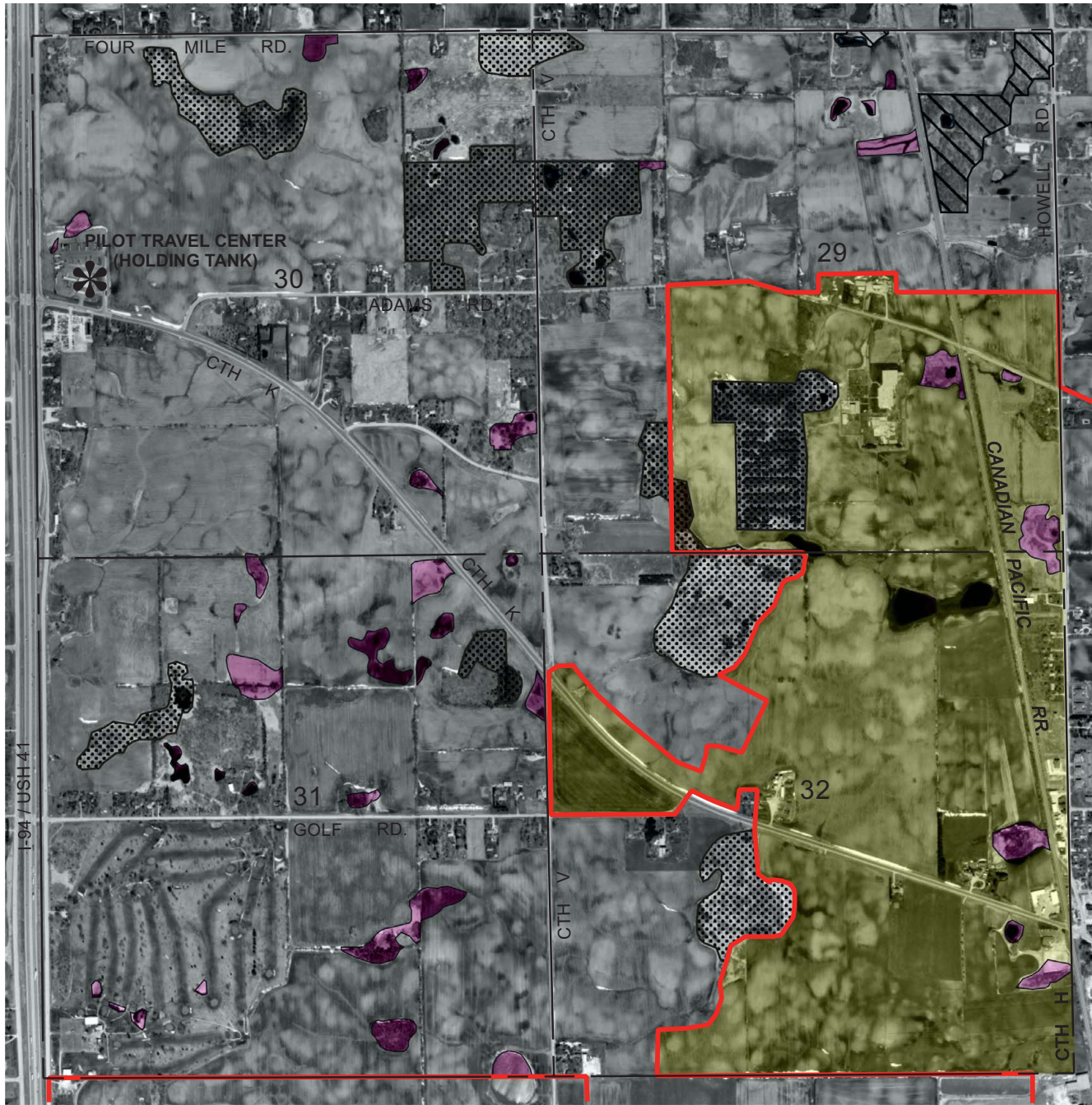
## CONCLUDING RECOMMENDATION

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 Racine and Environs as documented in SEWRPC Community Assistance Planning Report No. 147 (2nd Edition) in the manner identified on Map 1.





Map 2



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

U. S. Public Land Survey Sections 29, 30, 31, and 32  
Township 4 North, Range 22 East




Photography Date: April 2000

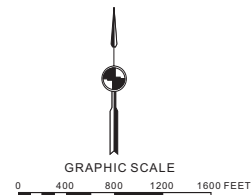
-  SECONDARY ENVIRONMENTAL CORRIDOR
-  ISOLATED NATURAL RESOURCE AREA
-  WETLANDS AND SURFACE WATER AREAS LESS THAN FIVE ACRES IN SIZE
-  SURFACE WATER WITHIN ENVIRONMENTAL CORRIDORS AND ISOLATED NATURAL RESOURCE AREAS

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

**RESTRICTIONS ON SEWERED DEVELOPMENT**

-  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 Map 9-13, page 36, of SEWRPC Community Assistance Planning Report No. 147 (2nd Edition), *Sanitary Sewer Service Area for the City of Racine and Environs, Racine and Kenosha Counties, Wisconsin*, June 2003.



Source: SEWRPC.