

AMENDMENT TO THE

**REGIONAL WATER QUALITY  
MANAGEMENT PLAN**

**VILLAGE OF KEWASKUM**

AS ADOPTED BY THE

SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION

DECEMBER 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 (Kewaskum Sanitary Sewer Service Area)

**TO:** The Legislative Bodies of Concerned Local Units of Government within the Southeastern Wisconsin Region, namely: the County of Washington, the Village of Kewaskum, and the Town of Kewaskum

This is to certify that at the meeting of the Southeastern Wisconsin Regional Planning Commission, held at the Milwaukee Public Museum, Milwaukee, Wisconsin, on the 7th day of December 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 Kewaskum 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 8th day of December 2005.

Thomas H. Buestrin, Chairman  
Southeastern Wisconsin  
Regional Planning Commission

ATTEST:

Philip C. Evenson, Deputy Secretary

**RESOLUTION NO. 2005-24**

**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 (KEWASKUM 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 7th day of March 1988, the Commission duly adopted an amendment to the regional water quality management plan refining and detailing the Kewaskum sanitary sewer service area as documented in SEWRPC Community Assistance Planning Report No. 161, *Sanitary Sewer Service Area for the Village of Kewaskum, Washington County, Wisconsin*, dated March 1988, as amended; and

WHEREAS, by letter dated August 23, 2005, the Village of Kewaskum requested that the Commission amend the Kewaskum 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 Village of Kewaskum to Amend the Kewaskum 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 Village of Kewaskum and the Regional Planning Commission on November 21, 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 7th day of March 1988 to include the refined Kewaskum sewer service area, as set forth in SEWRPC Community Assistance Planning Report No. 161, 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.

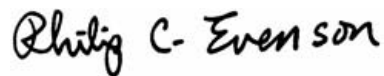
THIRD: That a true, correct, and exact copy of this resolution, together with the aforementioned SEWRPC staff memorandum, shall be forthwith distributed to each of the local legislative bodies of the local governmental units within the Region entitled thereto and to such other bodies, agencies, or individuals 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 7th day of December 2005, 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 VILLAGE OF KEWASKUM TO AMEND THE KEWASKUM SANITARY SEWER SERVICE AREA

#### INTRODUCTION AND BACKGROUND

By letter dated August 23, 2005, the Village of Kewaskum requested that the Southeastern Wisconsin Regional Planning Commission amend the Kewaskum sanitary sewer service area as that area is currently documented in SEWRPC Community Assistance Planning Report No. 161, *Sanitary Sewer Service Area for the Village of Kewaskum, Washington County, Wisconsin*, dated March 1988, 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 use.

#### AREA DESCRIPTION

The area proposed to be added to the Kewaskum sanitary sewer service area encompasses 80 acres located along the north side of CTH H in U.S. Public Land Survey Section 8, Township 12 North, Range 19 East, in the Town of Kewaskum (see Map 1). The subject 80-acre area includes 3 acres of secondary environmental corridor, one small wetland about 1 acre in size, and 2 acres of existing urban land use, including road rights-of-way. The remainder of 74 acres, currently in agricultural use, is anticipated to be developed for residential use to accommodate about 145 housing units with a population of about 350 persons.

A more detailed delineation of the amended sewer service area and of the environmentally significant lands within are shown on the aerial photograph reproduced as Map 2. The environmentally significant lands shown on Map 2 have been revised from previously published maps set forth in SEWRPC Community Assistance Planning Report No. 161, dated March 1988. The revision involves the green-shaded area shown on Map 3. In the sewer service area plan adopted in 1988, this area was identified as “existing secondary environmental corridor anticipated to be converted to urban uses by the year 2000.” Development of that area has not proceeded, and the Village of Kewaskum has recommended that the area no longer be designated for urban use. Under the amended plan, then, this area would be retained indefinitely as part of the secondary environmental corridor as shown on Maps 1 and 2.

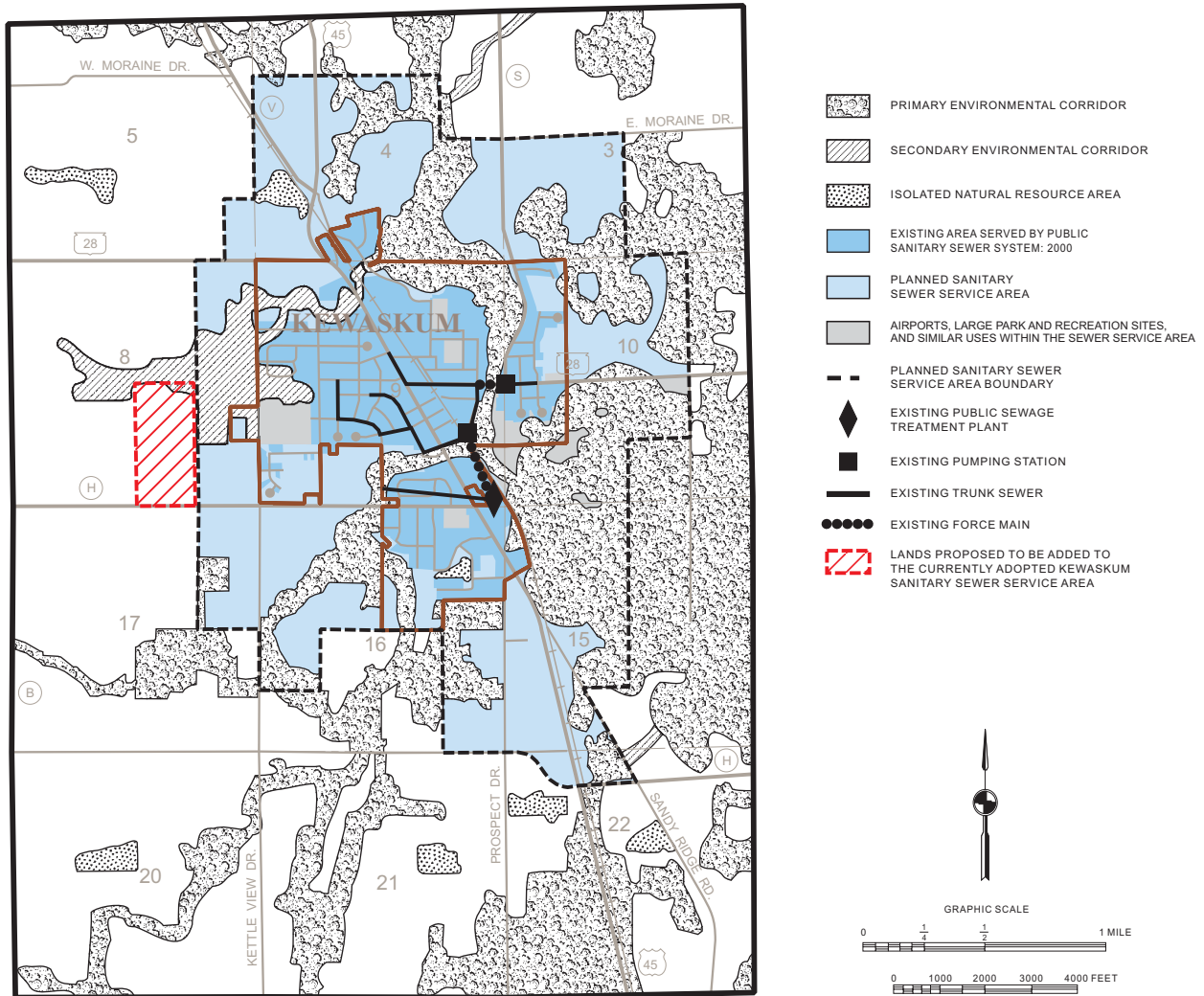
#### RELATIONSHIP OF THE PROPOSED CHANGE TO THE EXISTING SANITARY SEWER SERVICE AREA

The proposed addition of 80 acres to the Kewaskum sanitary sewer service area represents an increase in the planned sewer service area of about 3 percent. Under the currently adopted year 2020 regional land use plan, the population of the Kewaskum sewer service area is projected to range from 4,200 persons under an intermediate-growth scenario to 7,400 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 7,400 persons, approximating the high end of the year 2020 population projection range. With the proposed addition, the buildout population would be about 7,750 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 Kewaskum sewer service area. It is anticipated that the buildout population of the Kewaskum sewer service area, expanded as indicated on Map 1, will lie within the projection range for the Kewaskum area under the forthcoming regional land use plan.

# Map 1

## PROPOSED AMENDMENT TO THE KEWASKUM SANITARY SEWER SERVICE AREA



Source: SEWRPC.

### WATER QUALITY IMPACTS

Under the adopted regional water quality management plan and the refined Kewaskum 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.

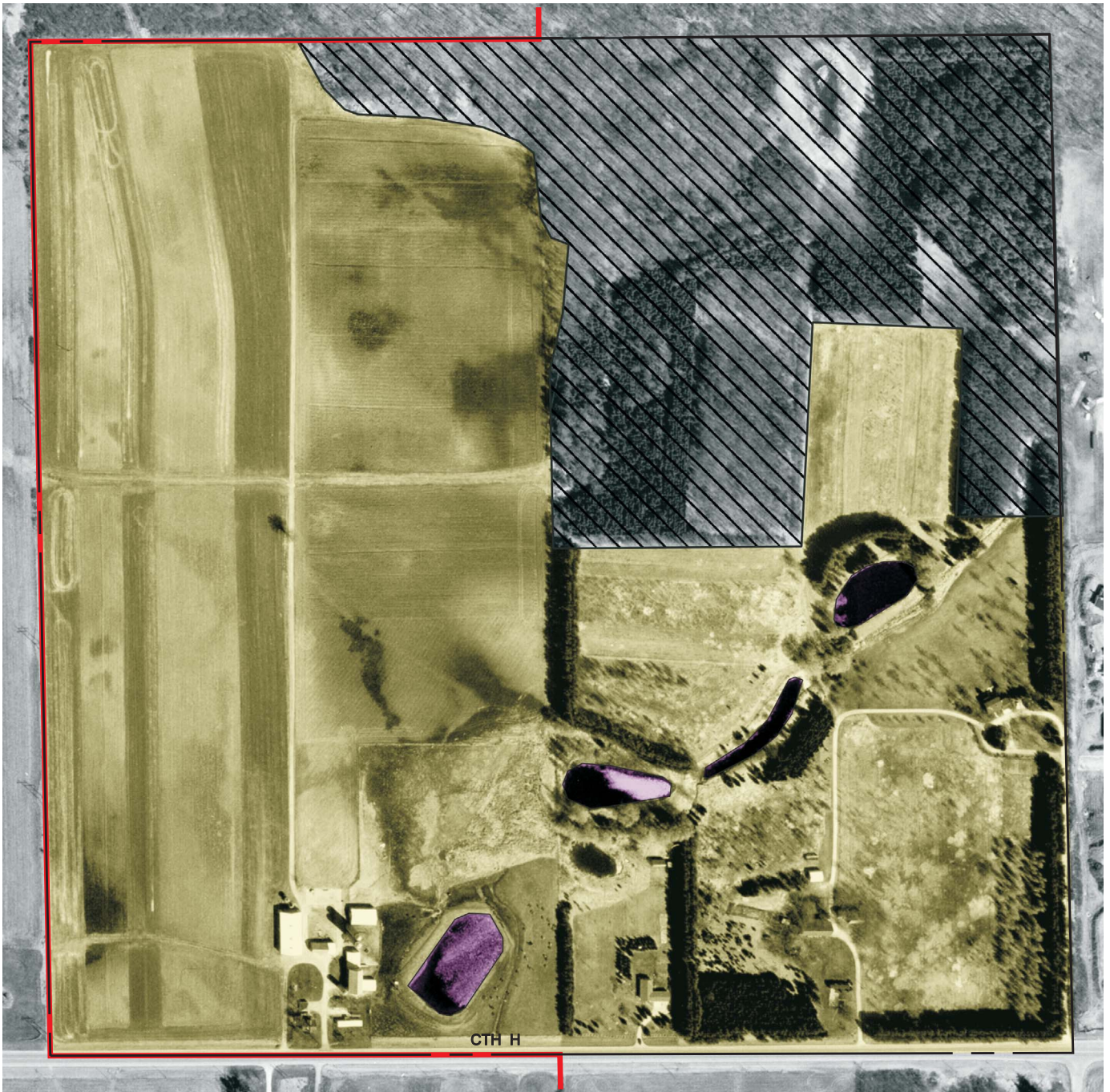
### COST-EFFECTIVENESS ANALYSIS

The proposed addition to the Kewaskum sanitary sewer service area is immediately adjacent to the currently approved sewer service area. The nearest other public sanitary sewer system, the City of West Bend system, is located approximately 5 miles from the subject area. No further analysis is deemed necessary to conclude that the most cost-effective means of providing public sanitary sewer service to the subject area is via Village of Kewaskum sewers.





Map 2

ENVIRONMENTALLY SIGNIFICANT LANDS AND PLANNED SANITARY SEWER SERVICE AREA FOR THE VILLAGE OF KEWASKUM AND ENVIRONS

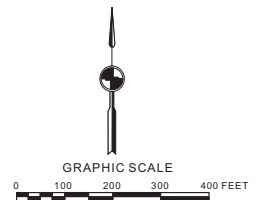
Southeast Quarter of U. S. Public Land Survey Section 8 – Township 12 North, Range 19 East



Photography Date: March 2000

-  SECONDARY ENVIRONMENTAL CORRIDOR
-  WETLANDS AND SURFACE WATER AREAS LESS THAN FIVE ACRES IN SIZE
-  PLANNED SANITARY SEWER SERVICE AREA
-  GROSS SANITARY SEWER SERVICE AREA BOUNDARY

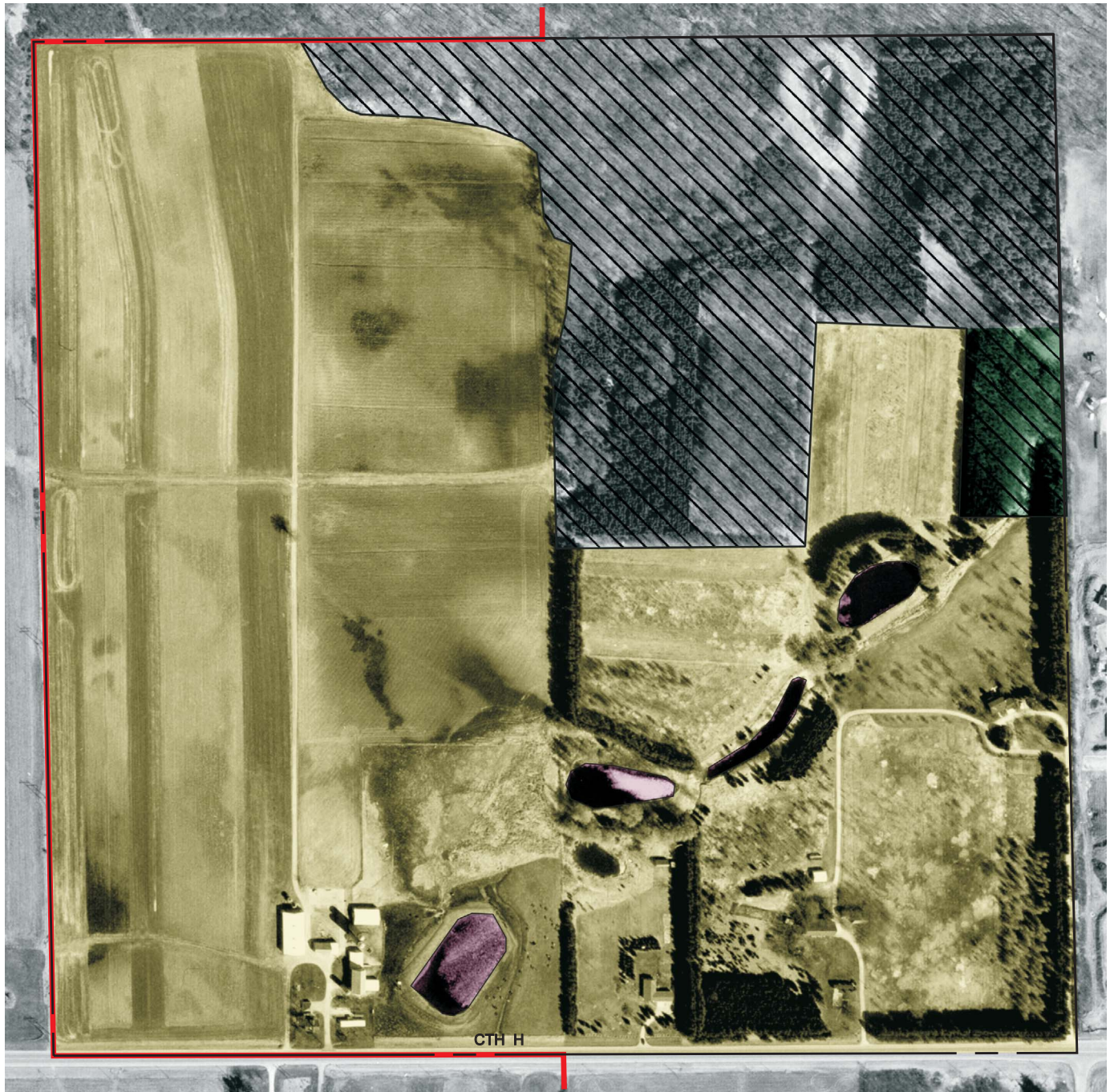
NOTE: This map replaces the corresponding portion of Map 8-1, page 17, of SEWRPC Community Assistance Planning Report No. 161, *Sanitary Sewer Service Area for the Village of Kewaskum and Environs, Washington County, Wisconsin, March 1988.*







Source: SEWRPC.

REVISIONS TO THE DELINEATION OF ENVIRONMENTALLY SIGNIFICANT LANDS

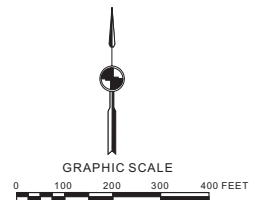
Southeast Quarter of U. S. Public Land Survey Section 8 - Township 12 North, Range 19 East



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-  SECONDARY ENVIRONMENTAL CORRIDOR
-  WETLANDS AND SURFACE WATER AREAS LESS THAN FIVE ACRES IN SIZE
-  PLANNED SANITARY SEWER SERVICE AREA
-  GROSS SANITARY SEWER SERVICE AREA BOUNDARY

-  AREA TO BE RETAINED AS SECONDARY ENVIRONMENTAL CORRIDOR



Source: SEWRPC.

## SEWAGE TREATMENT PLANT CAPACITY IMPACT ANALYSIS

Sewage from the Kewaskum area is treated at the Village of Kewaskum sewage treatment plant, which has a hydraulic design capacity of 0.75 million gallons per day (mgd) on an average annual basis. The average annual flow rate in 2004 was about 0.53 mgd. The anticipated sewage flow to be generated in the area proposed to be added to the Kewaskum sewer service area may be expected to be about 0.05 mgd on an average annual basis. Thus, the treatment plant has capacity to serve the proposed addition to the sewer service area.

If the vacant developable lands within the Kewaskum sewer service area were fully developed in accordance with local plans, flows to the Kewaskum sewage treatment facility would approximate 1.2 to 1.3 mgd on an average annual basis, with the total flows being somewhat dependent upon the sewage flows generated by new commercial and industrial development. **The Village has initiated facilities planning directed toward expansion of the existing sewage treatment plant. The facilities planning work is anticipated to be completed in 2007, and improvements to the sewage treatment plant are anticipated to be initiated in 2008.** In any event, the inclusion of the proposed addition to the sewer service area documented in this report would not materially affect the timeframe for future facility planning and treatment plant expansion.

## PUBLIC REACTION TO THE PLAN AMENDMENT

A public hearing was held on November 21, 2005 at the Kewaskum Village Hall to receive public comment on, and reaction to, the proposed plan amendment. The hearing was sponsored by the Village of Kewaskum 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 Board of Trustees of the Village of Kewaskum adopted the plan amendment on November 21, 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 Village of Kewaskum as documented in SEWRPC Community Assistance Planning Report No. 161, as amended, in the manner identified on Map 1.