

AMENDMENT TO THE

REGIONAL WATER QUALITY MANAGEMENT PLAN: 2000

VILLAGE OF HARTLAND

AS ADOPTED BY THE
SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION

JANUARY 1993

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SUBJECT: Certification of Amendment to the Adopted Regional Water Quality Management Plan (Hartland 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 Village of Hartland, the Town of Merton, and the Delafield-Hartland Water Pollution Control Commission

This is to certify that at a special meeting of the Southeastern Wisconsin Regional Planning Commission, held at the Commission offices, Waukesha, Wisconsin, on the 18th day of January 1993, the Commission did by unanimous vote by all Commissioners present, being 15 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. The said amendment to the regional water quality management plan pertains to the proposed sanitary sewer service area for the Village of Hartland 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 19th day of January 1993.



David B. Falstad, Chairman
Southeastern Wisconsin
Regional Planning Commission

ATTEST:



Kurt W. Bauer, Deputy Secretary

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RESOLUTION NO. 93-11

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 (HARTLAND 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 17th day of June 1985, the Commission duly adopted an amendment to the regional water quality management plan refining and detailing the Hartland sanitary sewer service area as documented in SEWRPC Community Assistance Planning Report No. 93, Sanitary Sewer Service Area for the Village of Hartland, Waukesha County, Wisconsin, April 1985; and

WHEREAS, by letter dated October 7, 1992, the Village of Hartland requested that the Commission amend the Hartland sanitary sewer service area 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 Village of Hartland to Amend the Hartland Sanitary Sewer Service Area," attached hereto and made a part hereof, which memorandum concludes that the plan amendment requested by the Village of Hartland is sound and in the public interest; and

WHEREAS, the requested change to the regional water quality management plan, as documented in the abovementioned staff memorandum, was the subject of a public hearing held by the Village of Hartland and the Regional Planning Commission on January 11, 1993; and

WHEREAS, the record of the public hearing reflects no opposition to the change to the regional water quality management plan as set forth in the above-referenced 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 17th day of June 1985 to include the initial refined Hartland sanitary sewer service area, as set forth in SEWRPC Community Assistance Planning Report No. 93, 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 Industry, Labor and Human Relations 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 18th day of January 1993, the vote being: Ayes 15; Nays 0.



David B. Falstad, Chairman

ATTEST:



Kurt W. Bauer, Deputy Secretary

SEWRPC STAFF MEMORANDUM

RESPONSE TO REQUEST BY THE VILLAGE OF HARTLAND TO AMEND THE HARTLAND SANITARY SEWER SERVICE AREA

INTRODUCTION

By letter dated October 7, 1992, the Village of Hartland requested that the Southeastern Wisconsin Regional Planning Commission amend the Hartland sanitary sewer service area as that area is currently documented in SEWRPC Community Assistance Planning Report No. 93, Sanitary Sewer Service Area for the Village of Hartland, Waukesha County, Wisconsin, April 1985, and as amended in Amendment to the Regional Water Quality Management Plan: 2000, Village of Hartland, June 1991. The basic purpose of the amendment would be to include within the planned Hartland sewer service area certain lands located immediately adjacent to the adopted sewer service area to permit development of a golf course and related residential subdivision.

BACKGROUND

The Regional Planning Commission recognizes that, like other long-range plans, sanitary sewer service area plans should be periodically reviewed to assure that the plans continue to reflect properly regional and local urban development objectives. In addition, when it is determined by the operator of the sewage treatment facility, or by the local unit of government involved, that a sewer service area refinement or amendment is necessary, the operator of the sewage treatment facility, or the local unit of government involved, should petition the Regional Planning Commission for assistance in undertaking the technical work required in the necessary sewer service area plan refinement or amendment effort.

As shown on Map 1, the area proposed to be added to the Hartland sewer service area encompasses approximately 333 acres located in U. S. Public Land Survey Sections 35 and 36, Township 8 North, Range 18 East. About 305 acres, or 92 percent of such lands, are located within the corporate limits of the Village of Hartland, and 28 acres, or 8 percent, are located within the Town of Merton.

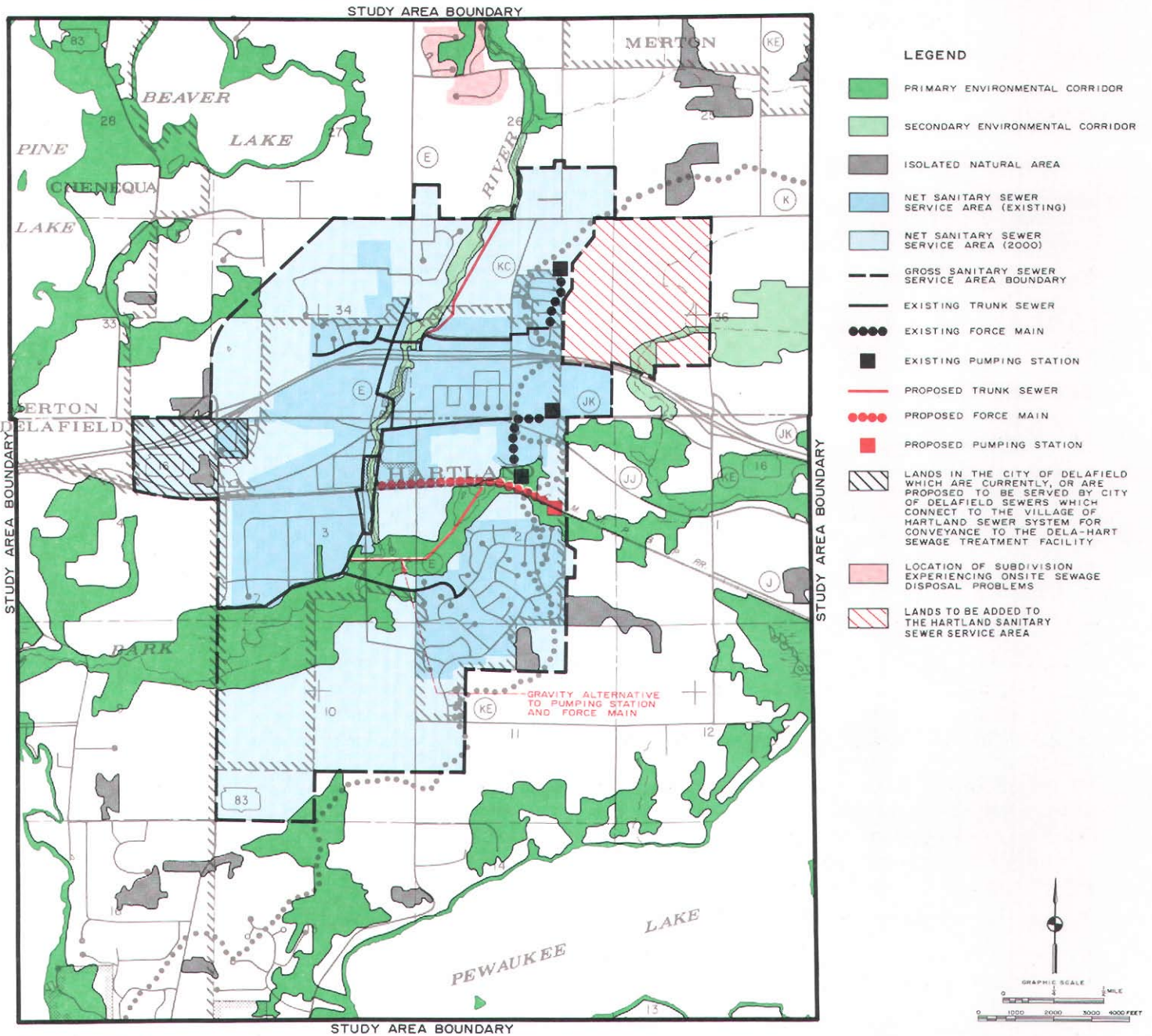
Of the 333 acres to be added to the Hartland sewer service area, about 10 acres, or about 3 percent of the area, are in residential land uses, including five housing units served by onsite sewage disposal systems or sewage holding tanks; about 16 acres, or about 5 percent of the area, are located within secondary environmental corridor lands consisting primarily of wetlands, woodlands, significant wildlife habitat, and steep slopes; and the remaining 307 acres consist of agricultural lands proposed to be developed for recreational and residential uses.

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

The revised year 2010 Hartland sanitary sewer service area, including the subject additional lands, would encompass about 5.3 square miles and would include about 0.5 square mile of primary environmental corridor lands, about 0.1 square mile of secondary environmental corridor lands, and less than 0.1 square mile of isolated natural resource area lands. Thus, about 0.6 square mile, or about 11 percent of the revised sewer service area, would consist of environmentally significant lands. The incremental new housing units envisioned to be located within the Hartland sewer service area, including the subject lands, would be accommodated at a density of about 3.0 housing units per net residential acre. This density lies within the recommended density range for the Hartland area of the Region identified in the adopted regional land use plan.

Map 1

RECOMMENDED REVISION TO THE HARTLAND SANITARY SEWER SERVICE AREA



Source: SEWRPC.

WATER QUALITY IMPACTS

It is envisioned that all urban lands located within the Hartland urban service area, including those lands proposed for urban development within the subject area, would ultimately receive sanitary sewer service. It is also envisioned that all lands identified as primary environmental corridor lands would not be developed for intensive urban use. It is recognized, however, that certain land uses requiring sanitary sewer service could be properly located in the corridors, including park and outdoor recreation facilities, certain institutional uses, and, in some cases, extremely low-density residential development consisting of single-family residences on five-acre lots.

The area to be added to the sewer service area is proposed to contain a combined golf course and residential development which will keep most of the site in open space uses with a permanent vegetative cover. The development is designed to preserve approximately 10 of the 16 acres, or about 62 percent, of the secondary environmental corridor on the site. Assuming proper site development and construction practices, including appropriate soil erosion control practices,¹ and compatible development within the secondary environmental corridors or lands adjacent to such areas, there should be no significant adverse water quality impacts attributable to the development of the subject area.

COST-EFFECTIVENESS ANALYSIS

The lands in question lie immediately adjacent to the currently approved Hartland sanitary sewer service area. In addition, areas currently served with public sewers are contiguous to the area proposed to be added to the service area. Analysis conducted by the Village of Hartland staff indicates that there is available capacity in the Village's local sewer system to convey the sewage generated in the subject area to the Delafield-Hartland Water Pollution Control Commission sewerage system.

OTHER ENVIRONMENTAL CONSIDERATIONS

The area to be added to the service area is located in the Fox River watershed, while the Delafield-Hartland Water Pollution Control Commission plant discharges to the Bark River in the Rock River watershed. Both of these watersheds are tributary to the Mississippi River. Furthermore, the development within the area proposed to be added to the sewer service area will be served by groundwater obtained from a public groundwater system located in the Rock River watershed west of the divide between the Fox and Bark River watersheds. Thus, diversion of surface water is not considered to be an issue in this evaluation.

There is a small wetland, about one acre in size, located within the development site. It is expected that the detailed development plan for the proposed site will be designed either to retain that wetland or to meet all applicable regulations associated with altering the wetland. Thus, wetland consideration should not be an impediment to the sewer service area addition.

SEWAGE TREATMENT PLANT CAPACITY IMPACT ANALYSIS

The Delafield-Hartland Water Pollution Control Commission sewage treatment plant has a capacity to treat 2.20 million gallons of wastewater on an average daily basis. The current loading to the plant is about 1.39 million gallons per day (mgd) on an average annual basis. The anticipated sewage flow to be generated in the area proposed to be added to the Hartland sewer service area is estimated to be about 0.07 mgd on an average annual basis. Therefore, the additional sewage flow from the area proposed to be added to the Hartland sewer service area represents about 9 percent of the currently available capacity of the existing sewage treatment plant. Thus, the existing plant can accommodate the expected loading.

It should be noted that the current total resident population served by the Delafield-Hartland Water Pollution Control Commission sewage treatment plant is about 9,800 persons. The year 2010 resident population of the sewer service area would approximate 18,100 persons under the adopted regional land use plan and 26,700 persons under the high-growth decentralized alternative future considered by the Regional Planning Commission. These increases in population may be expected to result in an increase of sewage flow from about 1.39 mgd in 1990 to about 2.40 mgd under the adopted year 2010 regional land use plan, and to about 3.40 mgd under the year 2010 high-growth decentralized

¹The Wisconsin Department of Natural Resources, in conjunction with the League of Wisconsin Municipalities, published a model ordinance which local units of government may adopt to control construction site erosion, documented in "Model Ordinance," *The Municipality*, Vol. 82, No. 1, January 1987.

alternative future. Thus, it will probably be necessary to initiate facility planning for a plant expansion some time between the years 2000 and 2010, depending on the rate of development, and provided the Nashotah-Nemahbin Lakes areas are connected or proposed to be connected by that time.

PUBLIC REACTION TO THE PLAN AMENDMENT

A public hearing was held on January 11, 1993, at the Hartland Village Hall to receive public comment on, and reaction to, the plan amendment. This hearing was sponsored jointly by the Village of Hartland and the Regional Planning Commission.

A brief summary of the plan amendment was presented prior to receiving public comment. The rationale behind the refinement of the Hartland sanitary sewer service area was discussed, as was the relationship of the proposed plan amendment to the existing sanitary sewer service area. The significance of the environmentally sensitive lands within the Hartland sewer service area and the impact the plan amendment would have on these lands was also discussed. The conclusions of an analysis of the most cost-effective means of providing service to the affected lands, as well as the sewage treatment plant capacity impacts attributable to the affected lands, were also discussed.

A review of the hearing minutes indicates that no concerns were raised in regards to the proposed amendment.

LOCAL GOVERNMENT CONSIDERATION OF THE PLAN AMENDMENT

The proposed plan amendment was requested by, and is supported by, the Village of Hartland.

CONCLUDING RECOMMENDATION

On the basis of the foregoing, it is recommended that the Southeastern Wisconsin Regional Planning Commission formally amend the sanitary sewer service area as documented in the aforereferenced SEWRPC Community Assistance Planning Report No. 93 in the manner identified on Map 1. A more detailed delineation of the revised sewer service area, and of the environmentally significant lands therein, is shown on an aerial photograph reproduced as Map 2.

Map 2

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

U. S. Public Land Survey Sections 25, 26, 35, and 36
Township 8 North, Range 18 East



LEGEND

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

NOTE: This map replaces Map 2, page 4, Amendment to the Regional Water Quality Management Plan—2000, Village of Hartland, June 1991.



Source: SEWRPC.