

SANITARY SEWER SERVICE AREA FOR THE VILLAGE OF SUSSEX

WAUKESHA COUNTY WISCONSIN

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Special acknowledgement is due SEWRPC Planner Joel E. Dietl for his contribution to this report.

SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION

916 N. EAST AVENUE

• P.O. BOX 1607

• WAUKESHA, WISCONSIN 53187-1607

• TELEPHONE (414) 547-6721
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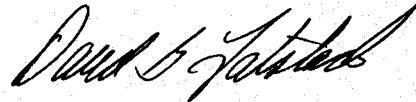
WAUKESHA

SUBJECT: Certification of Amendment to the Adopted Regional Water Quality Management Plan (Village of Sussex 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 Sussex, the Town of Lisbon, and the Town of Lisbon Sanitary District No. 1

This is to certify that at the quarterly meeting of the Southeastern Wisconsin Regional Planning Commission, held at the Ozaukee County Courthouse, Port Washington, Wisconsin, on the 7th day of September 1994, 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. The said amendment to the regional water quality management plan pertains to the proposed sanitary sewer service area for the Village of Sussex and consists of the inventory findings, maps, charts, figures, and supporting data, plans, and plan implementation recommendations contained in SEWRPC Community Assistance Planning Report No. 84, 2nd Edition, Sanitary Sewer Service Area for the Village of Sussex, Waukesha County, Wisconsin, published in September 1994, 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 8th day of September 1994.



David B. Falstad, Chairman
Southeastern Wisconsin
Regional Planning Commission

ATTEST:



Kurt W. Bauer, Deputy Secretary

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RESOLUTION NO. 94-14

**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
(VILLAGE OF SUSSEX 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 16th day of June 1983, the Commission duly adopted an amendment to the regional water quality management plan refining and detailing the Village of Sussex sanitary sewer service area as documented in SEWRPC Community Assistance Planning Report No. 84, Sanitary Sewer Service Area for the Village of Sussex, Waukesha County, Wisconsin, February 1983; and

WHEREAS, the Village of Sussex, on July 26, 1994, requested that the Commission further amend the Village of Sussex sanitary sewer service area; and

WHEREAS, the Commission, working with the Village of Sussex and other concerned units and agencies of government, has completed revisions to the Village of Sussex sanitary sewer service area plan, such plan being set forth in SEWRPC Community Assistance Planning Report No. 84, 2nd Edition, Sanitary Sewer Service Area for the Village of Sussex, Waukesha County, Wisconsin, dated September 1994; and

WHEREAS, the newly revised Sussex sanitary sewer service area, as documented in SEWRPC Community Assistance Planning Report No. 84, 2nd Edition, addressed the pertinent comments made at a public hearing held jointly by the Commission and the Village of Sussex on August 23, 1994; and

WHEREAS, the Village Board of the Village of Sussex on August 23, 1994, approved the revised sanitary sewer service area plan for the Village of Sussex; 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 16th day of June 1983 to include the initial refined Village of Sussex sanitary sewer service area, as set forth in SEWRPC Community Assistance Planning Report No. 84, be and the same hereby is amended to include the newly revised sanitary sewer service area plan for the Village of Sussex, as set forth in SEWRPC Community Assistance Planning Report No. 84, 2nd Edition.

SECOND: That the said SEWRPC Community Assistance Planning Report No. 84, 2nd Edition, together with the maps, charts, programs, and descriptive and explanatory matter therein contained, is hereby made a matter of public record; and the originals and true copies thereof shall be kept,

at all times, at the offices of the Southeastern Wisconsin Regional Planning Commission presently located in the Old Courthouse Building in the City of Waukesha, County of Waukesha, and State of Wisconsin, or at any subsequent office the said Commission may occupy, for examination and study by whomsoever may desire to examine the same.

THIRD: That a true, correct, and exact copy of this resolution, together with a complete and exact copy of SEWRPC Community Assistance Planning Report No. 84, 2nd Edition, 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 September 1994, the vote being: Ayes 16; Nays 0.



David B. Falstad, Chairman

ATTEST:



Kurt W. Bauer, Deputy Secretary

**COMMUNITY ASSISTANCE PLANNING REPORT
NUMBER 84 (2nd Edition)**

**SANITARY SEWER SERVICE AREA FOR THE VILLAGE OF SUSSEX
WAUKESHA COUNTY, WISCONSIN**

Prepared by the
Southeastern Wisconsin Regional Planning Commission
P. O. Box 1607
Old Courthouse
916 N. East Avenue
Waukesha, Wisconsin 53187-1607

The preparation of this report was financed in part through a planning grant from the Wisconsin Department of Natural Resources.

September 1994

Inside Region	\$2.50
Outside Region	\$5.00

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September 6, 1994

TO: The Village of Sussex, the Town Board of the Town of Lisbon, the Town of Lisbon
Sanitary District No. 1, and the Waukesha County Park and Planning Commission

The adopted regional water quality management plan for Southeastern Wisconsin identifies in a preliminary manner recommended sanitary sewer service areas tributary to each of the existing and proposed sewage treatment plants within the Region. The plan recommends that these service areas be refined and detailed through the cooperative efforts of the local units and agencies of government concerned so that the service areas properly reflect local, as well as areawide, development objectives. This refinement and detailing is particularly important in light of provisions in the Wisconsin Administrative Code which require that the Wisconsin Department of Natural Resources, with respect to public sanitary sewers, and the Wisconsin Department of Industry, Labor and Human Relations, with respect to private sanitary sewers, make a finding that all proposed sanitary sewer extensions be in conformance with the adopted regional water quality management plan and the sanitary sewer service areas identified in that plan.

These Departments, in carrying out their responsibilities in this respect, require that the Southeastern Wisconsin Regional Planning Commission, as the designated areawide water quality management planning agency for the Southeastern Wisconsin Region, review and comment on each proposed sewer extension as to its relationship to the approved plan and sewer service area. If such review can be based on a refined service area cooperatively identified by the local units of government concerned, then no conflicts concerning sanitary sewer extensions should arise, and the entire sewerage system and related land use development process can proceed in a smooth and efficient manner.

Acting in response to the recommendations made in the adopted regional water quality management plan, the Village of Sussex, on July 26, 1994, requested that the Regional Planning Commission assist the Village in refining and detailing the recommended sanitary sewer service area tributary to the Village's sewage treatment plant. This report documents the results of that refinement process.

The report contains a map showing not only the recommended refined sanitary sewer service area, but also the location and extent of the environmental corridors within that area. These environmental corridors contain the best and most important elements of the natural resource base within the sewer service area. Their preservation in essentially natural, open uses is important to the maintenance of the overall quality of the environment in the area, while avoiding the creation of serious and costly developmental problems. Accordingly, urban development should not be encouraged to occur within these corridors, a factor which should be taken into consideration in the extension of sanitary sewer service.

A public hearing was held on August 23, 1994, to discuss the preliminary findings and recommendations of the sewer service area refinement process and to receive the comments and suggestions of the local elected officials concerned and of interested citizens. The recommendations contained in this report reflect the pertinent comments and suggestions made at the hearing.

The sanitary sewer service area herein presented is intended to constitute a refinement of the areawide water quality management plan adopted by the Regional Planning Commission in July 1979. Accordingly, upon adoption of this report by the local units and agencies of government concerned and subsequent adoption by the Regional Planning Commission, this report will be certified to the Wisconsin Department of Natural Resources and the U. S. Environmental Protection Agency as an amendment to the adopted, areawide water quality management plan.

The sanitary sewer service area presented in this report provides a sound guide which can assist the responsible local public officials in making sewer service-related development decisions in the Village of Sussex area. Accordingly, careful consideration and adoption of this report by all parties concerned is respectfully urged. The Regional Planning Commission stands ready to assist the various units and agencies of government concerned in implementing the recommendations contained in this report.

Respectfully submitted,



Kurt W. Bauer
Executive Director

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Chapter I

INTRODUCTION

BACKGROUND

On July 12, 1979, the Southeastern Wisconsin Regional Planning Commission formally adopted an areawide water quality management plan for southeastern Wisconsin. The plan is aimed at achieving clean and wholesome surface waters within the seven-county Region, surface waters that are "fishable and swimmable."¹

The plan has five basic elements: 1) a land use element, consisting of recommendations for the location of new urban development in the Region and for the preservation of primary environmental corridors and prime agricultural lands, 2) a point source pollution abatement element, including recommendations concerning the location and extent of sanitary sewer service areas; the location, type, capacity of, and the level of treatment to be provided at, sewage treatment facilities; the location and configuration of intercommunity trunk sewers; and the abatement of pollution from sewer system overflows and from industrial wastewater discharges, 3) a nonpoint source pollution abatement element, consisting of recommendations for the control of pollutant runoff from rural and urban lands, 4) a sludge management element, consisting of recommendations for the handling and disposal of sludges from sewage treatment facilities, and 5) recommendations for the establishment of continuing water quality monitoring efforts in the Region.

The plan was formally certified over the period July 23 to September 20, 1979, to all of the local units of government in the Region and to the concerned State and Federal agencies. The plan was formally endorsed by the Wisconsin Natural Resources Board on July 25, 1979. Such endorse-

ment is particularly important because under State law and administrative rules, certain actions by the Wisconsin Department of Natural Resources (DNR) must be found to be in accordance with the adopted and endorsed plan. These actions include, among others, DNR approval of waste discharge permits, DNR approval of State and Federal grants for the construction of wastewater treatment and conveyance facilities, and DNR approval of locally proposed sanitary sewer extensions.

NEED FOR REFINEMENT AND DETAILING OF LOCAL SANITARY SEWER SERVICE AREAS

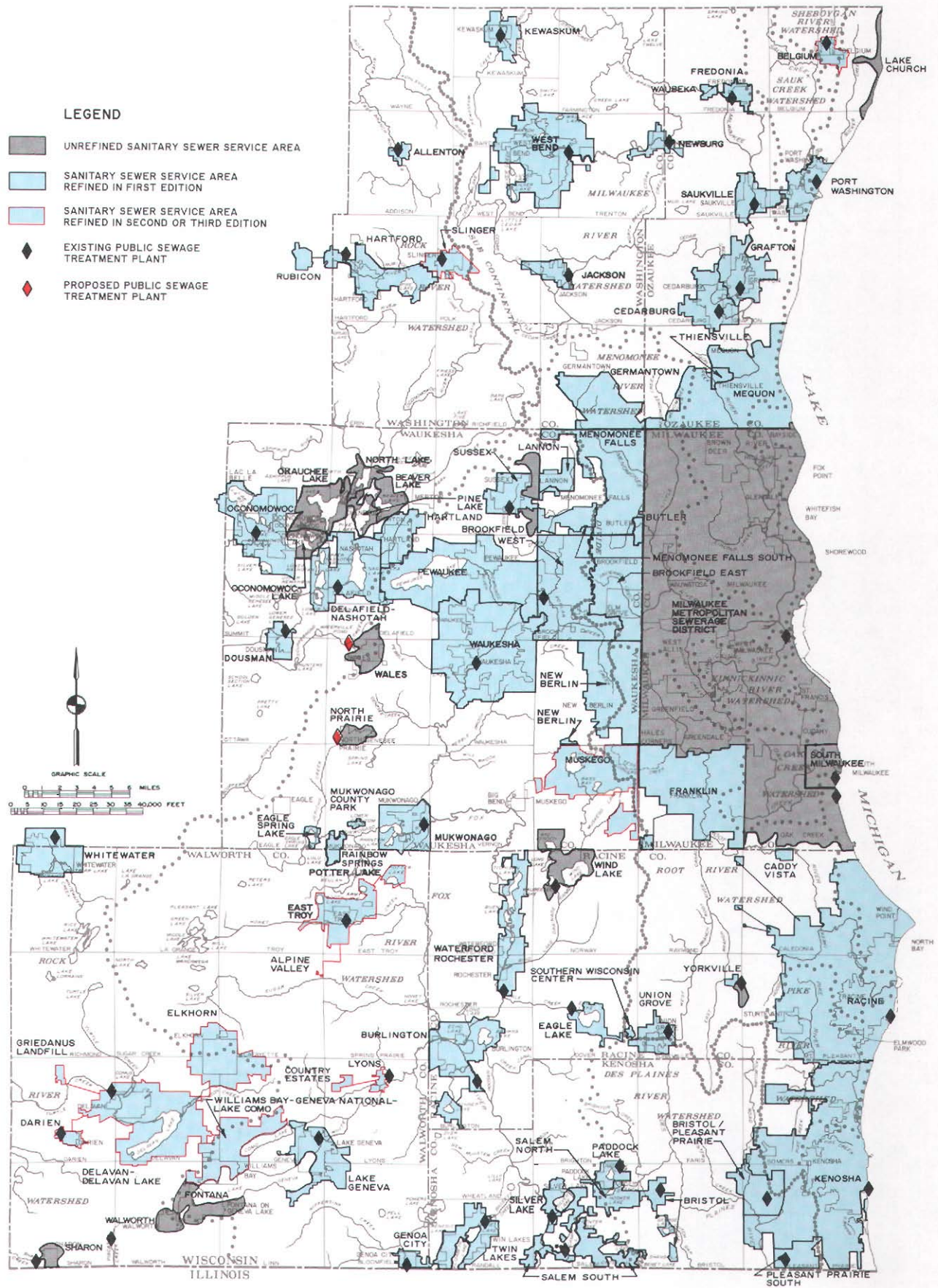
The adopted regional water quality management plan includes recommended sanitary sewer service areas attendant to each recommended sewage treatment facility (see Map 1). There were in the plan, as initially adopted, a total of 85 such identified sanitary sewer service areas. The initially recommended sanitary sewer service areas were based upon the urban land use configuration identified in the Commission-adopted regional land use plan for the year 2000.² As such, the delineation of the areas was necessarily general and may not have reflected detailed local planning considerations.

Section NR 110.08(4) and Section ILHR 82.20(4) of the Wisconsin Administrative Code require that the Wisconsin Department of Natural Resources, with respect to public sanitary sewers, and the Wisconsin Department of Industry, Labor and Human Relations, with respect to private sanitary sewers, make a finding that all proposed sanitary sewer extensions be in conformance with adopted areawide water quality management plans and the sanitary sewer service areas identified in such plans. These

¹*The adopted areawide water quality management plan is documented in SEWRPC Planning Report No. 30, A Regional Water Quality Management Plan for Southeastern Wisconsin: 2000, Volume One, Inventory Findings; Volume Two, Alternative Plans; and Volume Three, Recommended Plan.*

²*See SEWRPC Planning Report No. 25, A Regional Land Use Plan and a Regional Transportation Plan for Southeastern Wisconsin: 2000, Volume One, Inventory Findings; and Volume Two, Alternative and Recommended Plans.*

RECOMMENDED SANITARY SEWER SERVICE AREAS IN THE REGION: 2010



Departments, in carrying out their responsibilities in this respect, require that the Southeastern Wisconsin Regional Planning Commission, as the designated areawide water quality management planning agency for the Southeastern Wisconsin Region, review and comment on each proposed sewer extension as to its relationship to the approved plan and sewer service areas. In order to properly reflect local, as well as area-wide, planning concerns in the execution of this review responsibility, the Regional Planning Commission, in adopting the areawide water quality management plan, recommended that steps be taken to refine and detail each of the 85 sanitary sewer service areas delineated in the plan in cooperation with the local units of government concerned. The refinement and detailing process consists of the following seven steps:

1. The preparation of a base map at an appropriate scale for each sanitary sewer service area identified in the areawide water quality management plan.
2. The delineation on that base map of the design year 2010 sanitary sewer service area consistent with the objectives set forth in the adopted regional land use plan.³
3. The conduct of intergovernmental meetings involving the local or areawide unit or units of government operating the sewage treatment facility or facilities concerned, and the other local units of government that are to be provided sanitary sewer service by the sewage treatment facility or facilities concerned. At these meetings, the initial sanitary sewer service area delineation is to be presented and discussed and the positions of each of the units of government concerned solicited.

4. The preparation of modifications to the initially proposed sanitary sewer service area to reflect the agreements reached at the intergovernmental meetings, meeting to the fullest extent practicable the objectives expressed both in the adopted area-wide water quality management and regional land use plans and in any adopted local land use and sanitary sewerage system plans.
5. The holding of a public hearing jointly by the Commission and the local or areawide unit or units of government operating the treatment facility or facilities concerned to obtain public reaction to site-specific sewer service area issues that might be raised by the proposed sewer service area delineation.
6. The preparation of a final sanitary sewer service area map and accompanying report.
7. Adoption of the final sewer service area map by the Commission and certification of the map to the Wisconsin Department of Natural Resources and the U. S. Environmental Protection Agency as an amendment to the adopted, areawide, water quality management plan. Desirably, such adoption by the Commission would follow endorsement of the map by the local or areawide unit or units of government operating the sewage treatment facility or facilities concerned, and by the governing bodies of the local units of government that are to be served by the sewage treatment facility or facilities. While such a consensus by the local governments concerned will always be sought by the Commission, it is recognized that in some cases unanimous support of the refined and detailed sanitary sewer service areas may not be achieved. In those cases, the Commission will have to weigh the positions of the parties concerned and make a final determination concerning the issues involved.

³The sewer service areas in the water quality management plan were based upon the urban land use configurations as set forth in the Commission's year 2000 land use plan. The Commission has since completed a series of alternative year 2010 land use plans, which served as a point of departure in the delineation of the sewer service area set forth in this report.

THE VILLAGE OF SUSSEX SANITARY SEWER SERVICE AREA REFINEMENT PROCESS

The process of refining and detailing the sanitary sewer service areas in Southeastern Wisconsin was initiated subsequent to the Commission's adoption of the regional water quality manage-

ment plan in July 1979. By letter dated September 9, 1981, the Village of Sussex requested that the Regional Planning Commission undertake the refinement and detailing of the proposed year 2000 sanitary sewer service area tributary to the Village of Sussex sewage treatment facility. After an intergovernmental meeting regarding this refinement, a public hearing was held on this matter on October 6, 1982. The Village of Sussex sanitary sewer service area report, as documented in SEWRPC Community Assistance Planning Report No. 84, Sanitary Sewer Service Area for the Village of Sussex, Waukesha County, Wisconsin, February 1983, the first edition of this report, was adopted by the Village Board of the Village of Sussex on April 26, 1983, and by the Regional Planning Commission on June 16, 1983, and endorsed by the Wisconsin Department of Natural Resources on March 12, 1984.

The Regional Planning Commission subsequently adopted two further amendments to the sanitary sewer service area attendant to the Village of Sussex sewage treatment facility as this area was documented in SEWRPC Community Assistance Planning Report No. 84. These two amendments, which were adopted by the Commission on December 7, 1987, and June 20, 1988, respectively, recommended the addition of certain lands located immediately adjacent to the Sussex sewer service area.

It should also be noted that certain lands located in the Villages of Lannon and Menomonee Falls, envisioned to be tributary to the Village of Sussex sewage treatment facility, have been delineated in SEWRPC Community Assistance Planning Report No. 208, Sanitary Sewer Service Area for the Villages of Lannon and Menomonee Falls, Waukesha County, Wisconsin, June 1993.

The Regional Planning Commission recognizes that, like other long-range plans, sewer service

area plans should be periodically reviewed to assure that they continue to properly reflect regional and local urban development objectives of the communities involved, especially as such objectives may relate to the amount and spatial distribution of new urban development requiring sewer service. 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 is necessary, the operator of the sewage treatment facility, or the local unit of government involved, should request the Regional Planning Commission for assistance in undertaking the technical work required in the refinement effort. By letter dated July 26, 1994, the Village of Sussex did request the Regional Planning Commission to refine further the currently adopted sanitary sewer service area tributary to the Village of Sussex sewage treatment facility to reflect the Village's urban service area as set forth in a development plan currently under preparation for the Village of Sussex by the Regional Planning Commission.

Copies of the draft of this report setting forth a preliminary revised sanitary sewer service area were provided to the Village of Sussex, the Town of Lisbon, the Town of Lisbon Sanitary District No. 1, the Waukesha County Park and Planning Commission, and the Wisconsin Department of Natural Resources for review and comment prior to the public hearing on the plan proposal. A public hearing was held on August 23, 1994. The public reaction to the proposed sanitary sewer service area, as documented in the minutes contained in Appendix A, is summarized later in this report. The final, agreed-upon, sanitary sewer service area attendant to the Village of Sussex sewage treatment facility is described in Chapter III of this report. The delineation of this area reflects, in part, the Village's urban service area as set forth in a development plan currently under preparation and the pertinent comments made at the public hearing held on this matter.

Chapter II

STUDY AREA DESCRIPTION

LOCATION

The study area considered in the revised Village of Sussex sanitary sewer service area is shown on Map 2. The area consists of all the lands encompassed within the corporate limits of the Village of Sussex, together with portions of the Town of Lisbon. The total study area is about 20.1 square miles in extent, of which 4.3 square miles, or about 21 percent, lie within the Village of Sussex and about 15.8 square miles, or about 79 percent, lie within the Town of Lisbon. These areas are based on 1994 civil division boundaries.

POPULATION

The estimated resident population of the entire study area in 1990 was about 9,289 persons. Of this total, about 5,039 persons, or about 54 percent, resided in the Village of Sussex and about 4,250 persons, or about 46 percent, resided in the Town of Lisbon. Of the 9,289 persons within the study area, about 6,189 persons, or about 67 percent, including the entire population of the Village of Sussex and approximately 1,150 persons within the Town of Lisbon Sanitary District No. 1, were served by sanitary sewer extended from the Village sewage treatment plant. The remaining 3,100 persons in the study area were served by onsite soil absorption sewage disposal systems or by onsite sewage holding tanks.

It should be noted that certain lands located outside the study area, within the Villages of Lannon and Menomonee Falls, envisioned to be tributary to the Sussex sewage treatment facility, have been the subject of a previous refinement study as set forth in SEWRPC Community Assistance Planning Report No. 208, Sanitary Sewer Service Area for the Villages of Lannon and Menomonee Falls, Waukesha County, Wisconsin, June 1993, and, therefore, will not be included within this discussion.

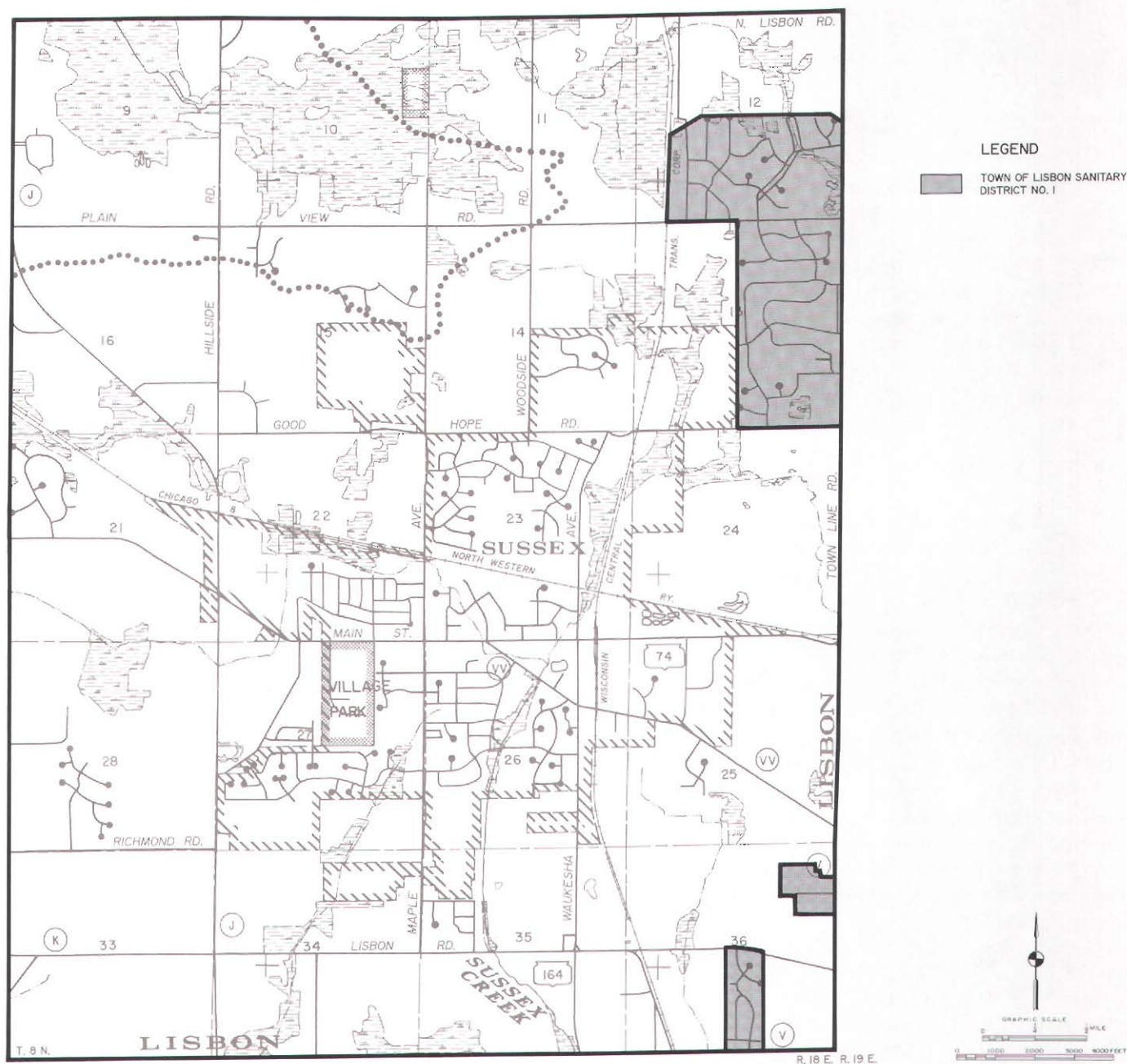
The forecast of probable future resident population levels for small geographic areas such as the Sussex study area is a difficult task, accompanied by uncertainties and subject to periodic revision as new information becomes available.

The practice that has been typically followed in forecasting population levels for physical development planning is the preparation of a single population forecast believed to be the most representative of future conditions. This traditional approach works well in periods of social and economic stability, when historic trends can be anticipated to continue relatively unchanged over the plan design period. During periods of major change in social and economic conditions, however, when there is great uncertainty as to whether historic trends will continue, alternatives to this traditional approach may be required. One such alternative approach proposed in recent years, and utilized to a limited extent at the national level for public and quasi-public planning purposes, is termed "alternative futures." Under this approach, the development, test, and evaluation of alternative plans is based, not upon a single, most probable forecast of socio-economic conditions, but upon a number of alternative futures chosen to represent a range of conditions which may be expected to occur over the plan design period.

Recognizing the increasing uncertainty inherent in estimating future population levels under the rapidly changing socio-economic conditions existing in the United States, the Regional Planning Commission began to incorporate the alternative futures approach into its planning program in the late 1970s, the first known attempt to apply this approach to areawide and local planning in the United States. In the exploration of alternative futures for the Southeastern Wisconsin Region, an attempt was made first to identify all those external factors which may be expected to directly or indirectly affect development conditions in the Region, together with the likely range of prospects for these factors. Thus, the preparation of the Commission's new year 2010 regional land use plan incorporated a consideration of three alternative scenarios for regional growth and change, involving different assumptions regarding three major external factors: the cost and availability of energy, population lifestyles, and economic conditions. Two of these scenarios, the high-growth and low-growth scenarios, are intended to represent the upper and lower extremes of possible future regional growth and change, while the

Map 2

STUDY AREA IDENTIFIED FOR PURPOSES OF REVISING THE VILLAGE OF SUSSEX SANITARY SEWER SERVICE AREA



Source: SEWRPC.

third is intended to represent an intermediate future between the two extremes. A set of population and employment projections were then developed for each of the three scenarios.

The Commission's year 2010 land use plan also considered alternative development patterns for accommodating the incremental population and

employment levels envisioned under the afore-described growth scenarios. Two development patterns were considered in the preparation of the alternative land use plans, a centralized development pattern, which, like the first- and second-generation adopted regional land use plans, accommodated increases in population and economic activity by promoting a more

compact regional settlement pattern, moderating to the extent practicable the current trend toward diffusion of population, employment, and attendant urban development, and a decentralized development pattern, which accommodated the continued diffusion of population and employment levels but in a manner consistent with the protection of the natural resource base of the Region.

The intermediate-growth centralized land use plan, the Commission's adopted land use plan, would accommodate a year 2010 resident population level of about 13,000 persons in the Sussex study area. Under the alternative futures approach utilized by the Commission for its work, however, the population level within the study area could range from a low of about 12,100 persons, under the low-growth decentralized land use plan, to a high of about 24,200 persons, under the high-growth decentralized land use plan.

ENVIRONMENTALLY SIGNIFICANT LANDS

Environmental corridors are defined as linear areas in the landscape containing concentrations of natural resource and resource-related amenities. These corridors generally lie along the major stream valleys, around major lakes, and in the Kettle Moraine area of Southeastern Wisconsin. Almost all the remaining high-value wetlands, woodlands, wildlife habitat areas, major bodies of surface water, and delineated floodlands and shorelands are contained within these corridors. In addition, significant groundwater recharge and discharge areas, many of the most important recreational and scenic areas, and the best remaining potential park sites are located within the environmental corridors. Such corridors are, in effect, a composite of the most important individual elements of the natural resource base in Southeastern Wisconsin, with immeasurable environmental, ecological, and recreational value.

The land use element of the adopted regional water quality management plan recommends that lands identified as primary environmental corridors not be developed for intensive urban use. Accordingly, the plan further recommends that sanitary sewers not be extended into such corridors for the purpose of accommodating

urban development in the corridors. It was, however, recognized in the plan that it would be necessary in some cases to construct sanitary sewers across and through primary environmental corridors and that certain land uses requiring sanitary sewer service could be properly located in the corridors, including park and outdoor recreation facilities and certain institutional uses. In some cases, extremely low-density residential development at a density not to exceed one housing unit per five acres of upland corridor land, compatible with the preservation of the corridors in essentially natural, open uses, may also be permitted to occupy corridor lands; it may be desirable to extend sewers into the corridors to serve such uses. Basically, however, the adopted regional land use plan seeks to ensure that the primary environmental corridor lands are not destroyed through conversion to intensive urban uses.

One of the first steps in refining the Village of Sussex sanitary sewer service area was to map in detail the environmentally significant lands in the study area. Accordingly, Commission inventories were reviewed and updated as necessary with respect to the following elements of the natural resource base: lakes, streams, and associated shorelands and floodlands; wetlands; woodlands; wildlife habitat areas; areas of rugged terrain and high-relief topography; wet, poorly drained, and organic soils; and remnant prairies. In addition, inventories were reviewed and updated as necessary with respect to such natural resource-related features as existing parks, potential park sites, sites of historic and archaeological value, areas possessing scenic vistas or viewpoints, and areas of scientific value.

Each of these natural resource and resource-related elements was mapped on one inch equals 400 feet scale, ratioed and rectified aerial photographs. A point system for value rating the various elements of the resource base was established (see Table 1). The primary environmental corridors were delineated using this rating system. To qualify for inclusion in a primary environmental corridor, an area must exhibit a point value of 10 or more. In addition, a primary environmental corridor must be at least 400 acres in size, be at least two miles long, and have a minimum width of 200 feet. This environmental corridor refinement process is more fully described in SEWRPC Technical Record, Vol. 4, No. 2, in an article entitled,

"Refining the Delineation of Environmental Corridors in Southeastern Wisconsin." The primary environmental corridors as delineated in the Sussex study area are shown on Map 3.

In addition, Map 3 identifies secondary environmental corridors. The secondary environmental corridors, while not as significant as the primary environmental corridors in terms of overall resource values, should be considered for preservation as the process of urban development proceeds, because such corridors often provide economical drainageways, as well as needed "green" space, through developing residential neighborhoods. To qualify for inclusion in a secondary environmental corridor, an area must exhibit a point value of 10 or more, and have a minimum area of 100 acres and a minimum length of one mile.

Also identified on Map 3 are isolated natural resource areas. Isolated natural resource areas generally consist of those natural resource base elements that have "inherent natural" value such as wetlands, woodlands, wildlife habitat areas, and surface water areas, but are separated physically from the primary and secondary environmental corridors by intensive urban or agricultural land uses. Since isolated natural resource areas may provide the only available wildlife habitat in an area, provide good locations for local parks and nature study areas, and lend aesthetic character and natural diversity to an area, they should also be protected and preserved in a natural state to the extent practicable. An isolated natural resource area must be at least five acres in size.

Lands encompassed within the primary environmental corridors of the Sussex study area in 1990 totaled 2.6 square miles, or about 13 percent of the total study area. Lands encompassed within the secondary environmental corridors totaled about 1.4 square miles, or about 7 percent of the study area. Lands encompassed within isolated natural resource areas totaled about 0.4 square mile, or about 2 percent of the study area. Thus, all environmentally significant lands in the Sussex study area comprise about 4.4 square miles, or 22 percent of the study area.

While the adopted regional water quality management plan places great emphasis upon the protection of the lands identified as primary environmental corridors in essentially natural, open uses, it recognizes that there may be situations in which the objective of preserving the corridor lands directly conflicts with other

Table 1

VALUES ASSIGNED TO NATURAL RESOURCE BASE AND RESOURCE BASE-RELATED ELEMENTS IN THE PROCESS OF DELINEATING PRIMARY AND SECONDARY ENVIRONMENTAL CORRIDORS

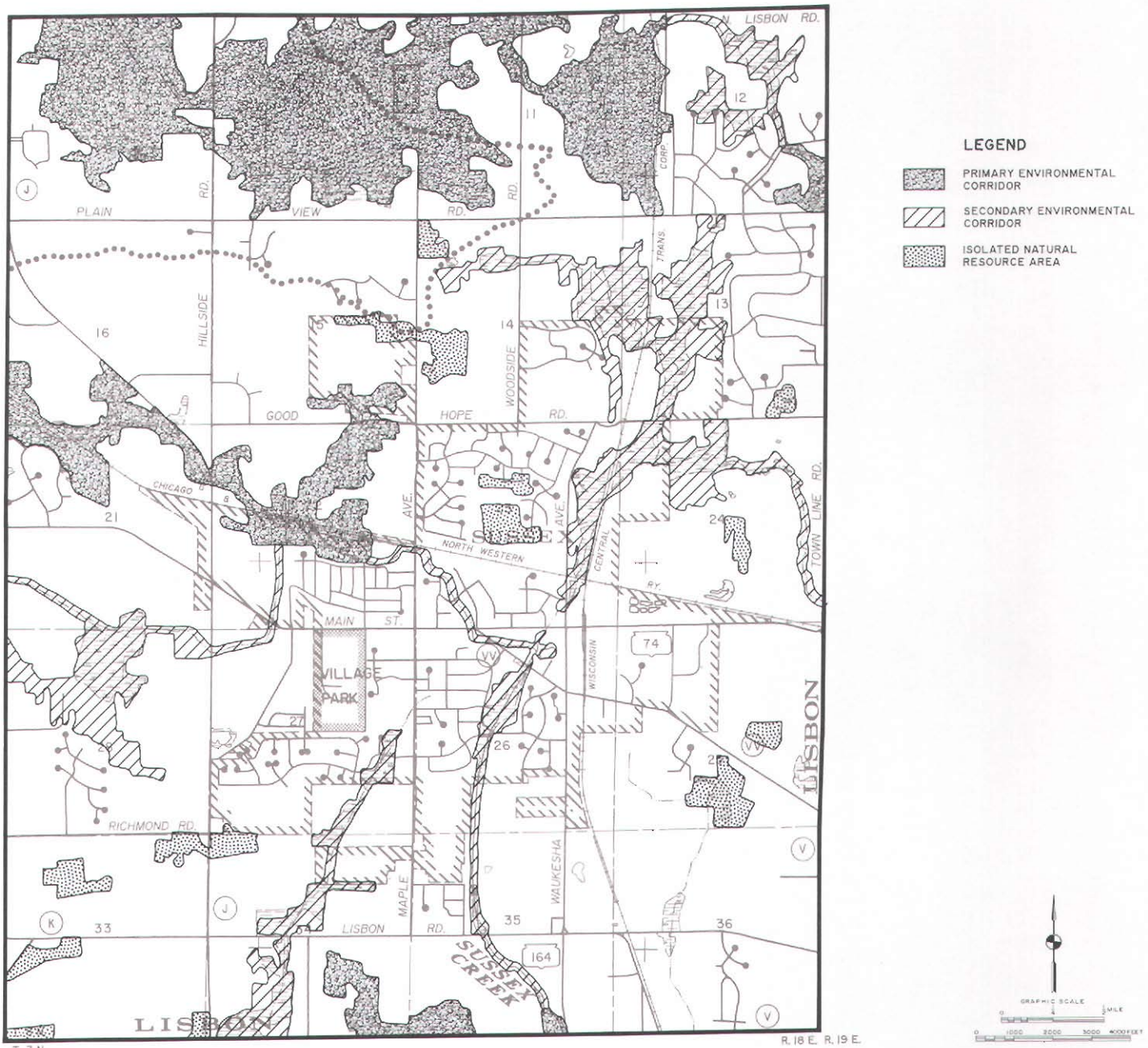
Resource Base or Related Element	Point Value
Natural Resource Base	
Lake	
Major (50 acres or more)	20
Minor (five to 49 acres)	20
Rivers or Streams (perennial)	10
Shoreland	
Lake or Perennial River or Stream	10
Intermittent Stream	5
Floodland (100-year recurrence interval)	3
Wetland	10
Wet, Poorly Drained, or Organic Soil	5
Woodland	10
Wildlife Habitat	
High-Value	10
Medium-Value	7
Low-Value	5
Steep Slope	
20 Percent or More	7
13 to 19 Percent	5
Prairie	10
Natural Resource Base-Related	
Existing Park or Open Space Site	
Rural Open Space Site	5
Other Park and Open Space Site	2
Potential Park Site	
High-Value	3
Medium-Value	2
Low-Value	1
Historic Site	
Structure	1
Other Cultural	1
Archaeological	2
Scenic Viewpoint	5
Scientific Area	
State Scientific Area	15
State Significance	15
County Significance	10
Local Significance	5

Source: SEWRPC.

legitimate regional and local development objectives. For example, the regional plan recognizes that if a community were to determine the need for a strategic arterial street extension through the primary environmental corridor lands in order to serve an important local development project, the street extension may be considered to be of greater community benefit than the preservation of a small segment of the primary environmental corridor. When such conflicts in legitimate community development objectives

Map 3

ENVIRONMENTALLY SIGNIFICANT LANDS IN THE VILLAGE OF SUSSEX STUDY AREA: 1994



Source: SEWRPC.

occur, it is important that they be resolved sensitively and any damage to the natural environment in the corridors be minimized.

It should also be noted that while almost all the delineated floodlands in the Sussex study area are contained within the environmental corridors, there are small areas of the floodlands utilized for agricultural or other open-space uses

located outside such corridors. The Regional Planning Commission recognizes that such floodlands are generally unsuitable for intensive urban development owing to poor soil conditions and periodic flood inundation. The Commission thus recommends that as development of lands located within urban areas and adjacent to these floodland areas occurs, such floodland areas be preserved in essentially natural, open uses.

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Chapter III

PROPOSED SANITARY SEWER SERVICE AREA

SIGNIFICANCE OF SANITARY SEWER SERVICE AREA DELINEATION

As noted earlier in this report, recent changes in the Wisconsin Department of Natural Resources (DNR) and Wisconsin Department of Industry, Labor and Human Relations (DILHR) rules governing the extension of sanitary sewers have made the delineation of local sanitary sewer service areas an important process for local units of government and private land developers. Prior to the recent rule changes, DNR and DILHR review and approval of locally proposed sanitary sewer extensions was confined primarily to engineering considerations, intended to ensure that the sewers were properly sized and constructed. The recent rule changes significantly expanded the scope of the State review process to include water quality-oriented land use planning considerations. Before the two State agencies concerned can approve a locally proposed sanitary sewer extension, they must make a finding that the lands to be served by the proposed extension lie within an approved sanitary sewer service area. Such areas are identified in the Commission's adopted, area-wide, water quality management plan and any subsequent amendments thereto. If a locally proposed sanitary sewer extension is designed to serve areas not recommended for sewer service in an areawide water quality management plan, the State agencies concerned must deny approval of the extension. Consequently, it is important that an intergovernmental consensus be reached in the delineation of proposed sanitary sewer service areas.

CURRENTLY APPROVED VILLAGE OF SUSSEX SANITARY SEWER SERVICE AREA

The plan year 2000 Village of Sussex sanitary sewer service area tributary to the Village sewage treatment facility, as set forth in the currently adopted sanitary sewer service area plan, as documented in the first edition of this report, is shown on Map 4.¹ This service area totals about 7.5 square miles, or about 37 percent of the total study area of 20.1 square miles and had, in 1990, a resident population of about 7,600 persons.

PRELIMINARILY REVISED VILLAGE OF SUSSEX SANITARY SEWER SERVICE AREA

A comprehensive review of the Village of Sussex sanitary sewer service area was last undertaken during the preparation of SEWRPC Community Assistance Planning Report No. 84 in February 1983. The purpose of this refinement effort is to review once again, comprehensively, the sewer service needs of lands located adjacent to the Village of Sussex envisioned to be tributary to the Village treatment facility and to adjust and extend, as necessary, the sewer service area boundaries to accommodate year 2010 population levels envisioned within this service area.

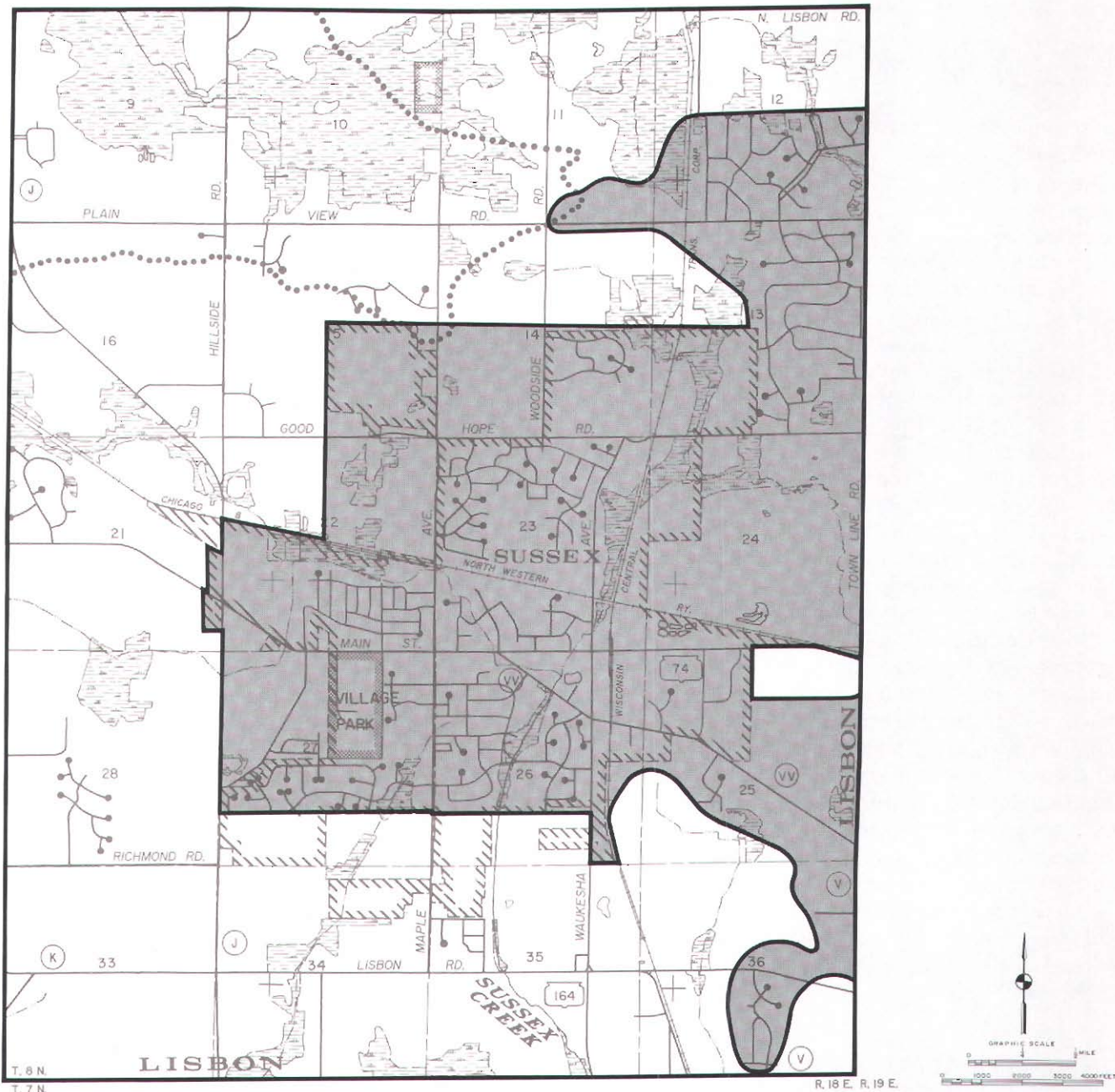
Factors taken into account in the delineation of the preliminarily revised Village of Sussex sanitary sewer service area included the currently adopted sanitary sewer service area as shown on Map 4, the Village of Sussex development plan presently under preparation by the Regional Planning Commission, and the year 2010 recommended and alternative futures regional land use plans as prepared by the Regional Planning Commission.

The refinement effort also considered the location and extent of gravity drainage areas tributary to major sewerage system pumping stations and to sewage treatment facilities, the location and capacity of existing and planned trunk sewers, the location of existing property ownership boundaries, and certain pertinent aspects of the natural resource base, including the location and extent of soils suitable for urban development, the location and extent of primary and secondary environmental corridors, and the location and extent of prime agricultural lands.

¹Not shown on Map 4 are those lands located within the Villages of Lannon and Menomonee Falls envisioned to be tributary to the Sussex sewage treatment facility. Those lands were the subject of a plan refinement effort as set forth in SEWRPC Community Assistance Planning Report No. 208.

Map 4

**VILLAGE OF SUSSEX SANITARY SEWER SERVICE AREA AS DEFINED IN
SEWRPC COMMUNITY ASSISTANCE PLANNING REPORT NO. 84 (1ST EDITION)**



Source: SEWRPC.

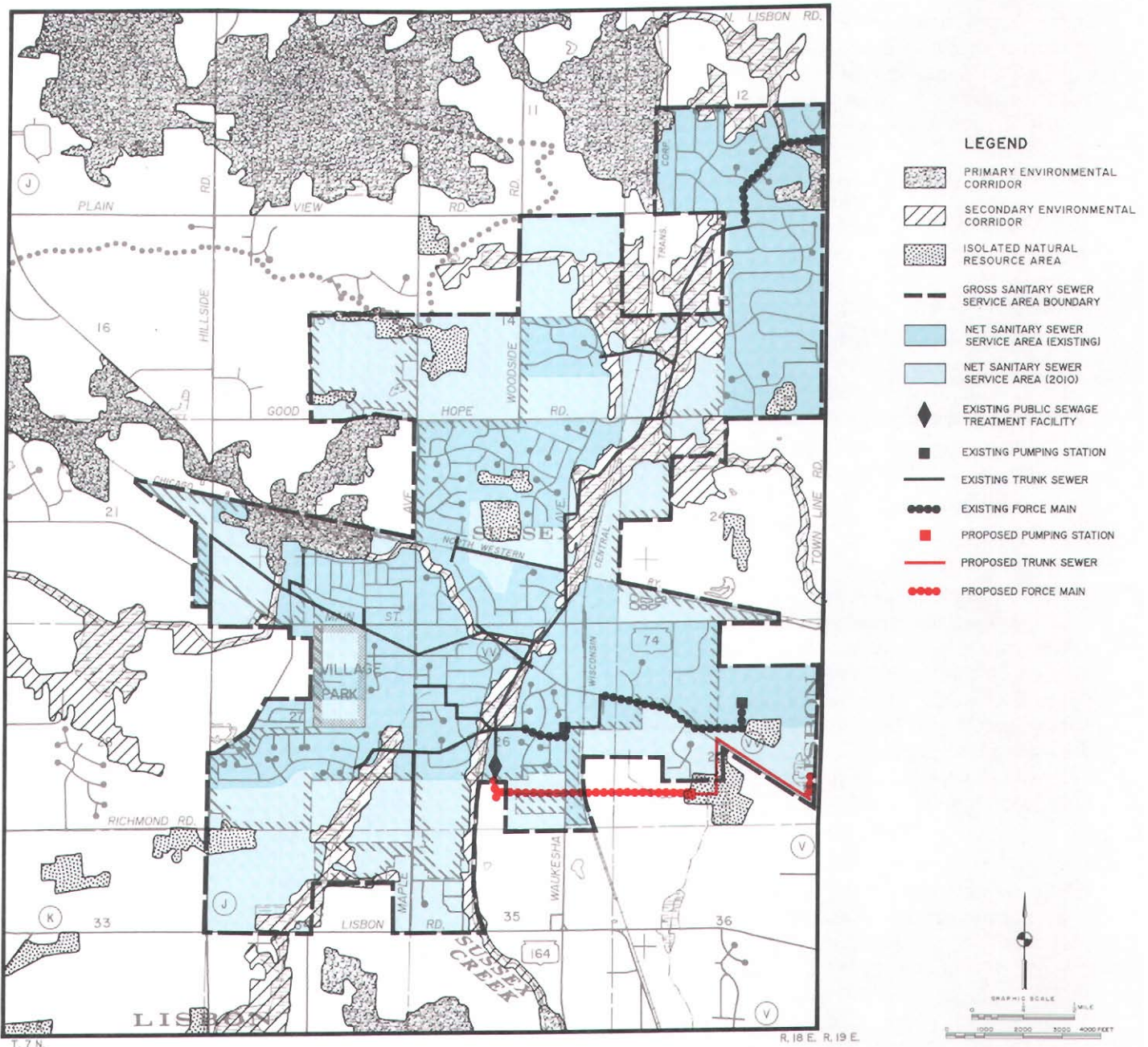
The preliminarily revised year 2010 Village of Sussex sanitary sewer service area, anticipated to be tributary to the Village's sewage treatment facility as submitted to public hearing, is shown on Map 5, together with existing trunk sewers.

The gross Village of Sussex sanitary sewer service area, as shown on Map 5, is based, in part, upon the urban service area set forth in the

development plan currently under preparation by the Commission for the Village of Sussex and encompasses about 6.8 square miles, or about 34 percent of the total study area of 20.1 square miles. This gross sewer service area includes 0.1 square mile of primary environmental corridors, about 0.7 square mile of secondary environmental corridors, and about 0.2 square mile of isolated natural resource areas. Therefore, a

Map 5

PRE-PUBLIC HEARING VILLAGE OF SUSSEX SANITARY SEWER SERVICE AREA



Source: SEWRPC.

total of about 1.0 square mile, or about 15 percent of the sewer service area, would be encompassed in environmentally sensitive areas, consisting of primary and secondary environmental corridor and isolated natural resource area lands.

It should be noted that the environmentally significant lands indicated on Map 5 total

approximately 31 acres more than the environmentally significant lands indicated on Map 3. As indicated on Map 6, there is one area of primary environmental corridor lands, encompassing about 25 acres, and one area of isolated natural resource area lands, encompassing about 4 acres, which are anticipated to be converted to urban uses on the basis of locally committed development proposals as reflected in

the Village development plan currently under preparation. It should be noted, however, that, of the 25 acres of primary environmental corridor, anticipated to be converted to urban uses, about three acres are located within an identified wetland which is envisioned to remain undeveloped. There are no other identified wetlands within these two areas proposed to be converted to urban uses. Furthermore, one area of primary environmental corridor encompassing approximately nine acres, is envisioned to be reclassified as an isolated natural resource area by the design year 2010. One area of secondary environmental corridor, encompassing approximately three acres, is envisioned to be reclassified as a primary environmental corridor by the design year 2010.

As also indicated on Map 6, there are about 60 acres scattered through 13 areas within the 100-year recurrence interval flood hazard area, adjacent to the Pewaukee River, Sussex Creek, and to the South Branch of the Sussex Creek, which are proposed to remain undeveloped. Of these 13 areas and 60 acres, two areas encompassing about nine acres are envisioned to be converted to primary environmental corridor over the plan design period and the remaining 11 areas encompassing about 51 acres are envisioned to be converted to secondary environmental corridor over the plan design period. It is anticipated that, over time, these lands will be withdrawn from agricultural and other open space uses and revegetated to possess the characteristics of respective adjacent environmental corridor.

The preliminarily revised year 2010 sanitary sewer service area tributary to the Village of Sussex sewage treatment facility as shown on Map 5 would, partly on the basis of the aforementioned development plan currently under preparation, accommodate a year 2010 resident population of about 12,900 persons. It should be noted that this population level of 12,900 persons for the Village of Sussex sewer service area lies within the range of population levels considered for this area in the Commission's year 2010 regional land use plan. The incremental population and housing unit levels envisioned in the Village of Sussex sewer service area would be accommodated at a density of about 2.8 dwelling units per net residential acre. This density lies within the recommended density range for the

Village of Sussex area of the Region as identified in the Commission-adopted regional land use plan for the year 2010.²

WATER QUALITY IMPACTS

Under the recommended sanitary sewer service area plan, it is envisioned that all urban lands within the planned sewer service area would receive sanitary sewer service. It is also envisioned that all lands identified as primary environmental corridor, except as noted previously, 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 at a density not to exceed one housing unit per five acres of upland corridor land, compatible with the preservation of the corridors in essentially natural, open uses. In addition, provision of public sewer service within that portion of the subject area currently developed, but outside the area served by public sewers, will reduce the pollutant loadings from the onsite sewage disposal systems to both surface water and groundwater. Accordingly, assuming proper site development

²*Net incremental residential density in the refined Village of Sussex sewer service area is determined by dividing the total number of incremental dwelling units in the sewer service area in the design year by the net incremental residential land area anticipated within that area.*

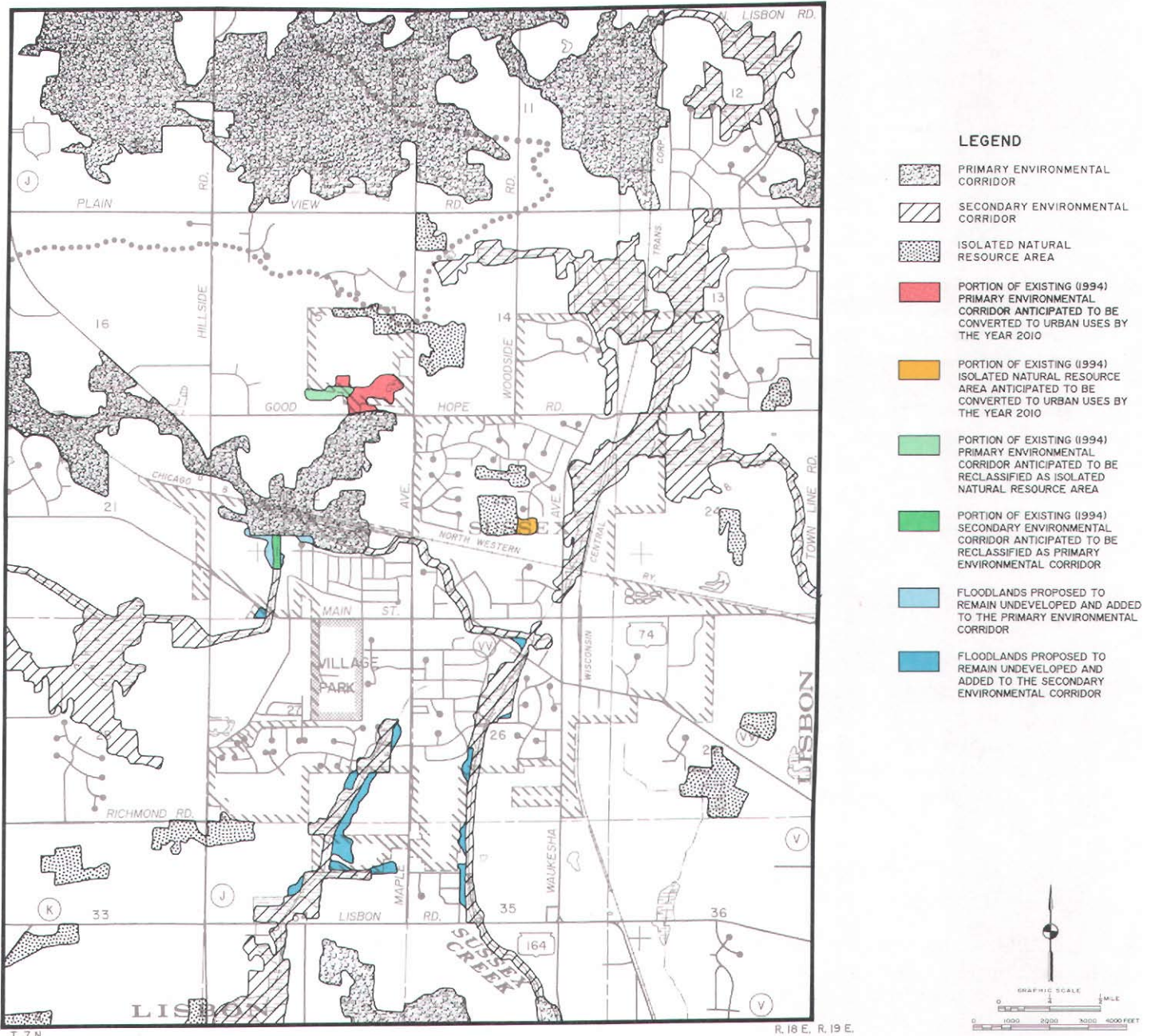
The total number of incremental dwelling units anticipated in the Village of Sussex sewer service area, based upon the Village of Sussex development plan, is 2,499 units.

The incremental net residential land anticipated in the Village of Sussex sewer service area, based upon the Village of Sussex development plan, totals about 895 acres.

The total number of incremental dwelling units anticipated in the sewer service area in the design year, 2,499 units, divided by the incremental net residential land within the sewer service area, 895 acres, results in an incremental net residential density of 2.8 dwelling units per acre.

Map 6

ANTICIPATED CHANGES IN THE ENVIRONMENTALLY SIGNIFICANT
LANDS IN THE VILLAGE OF SUSSEX SEWER SERVICE AREA: 1994-2010



Source: SEWRPC.

and construction practices, including appropriate construction erosion control practices,³ and compatible development within primary and secondary environmental corridors, isolated natural resource areas, or lands adjacent to such areas, there should be no significant adverse water quality impacts attributable to the development of the planned sanitary sewer service area.

³The Wisconsin Department of Natural Resources, in conjunction with the League of Wisconsin Municipalities, published a model ordinance which local units of government are encouraged to adopt to control construction site erosion as documented in "Model Ordinance," *The Municipality*, Vol. 82, No. 1, January 1987.

COST-EFFECTIVENESS ANALYSIS OF SEWAGE CONVEYANCE AND TREATMENT ALTERNATIVES

The planned sewer service area set forth in this report for the Village of Sussex is about 0.7 square mile smaller than the currently approved sewer service area, set forth in SEWRPC Community Assistance Planning Report No. 84. All of the planned sewer service area lies within, or adjacent to, the current sewer service area of the Village. The nearest other public sanitary sewer systems, the City of Brookfield system and the Milwaukee Metropolitan Sewerage District system serving portions of the Village of Menomonee Falls, are both located about two miles to the east. In this regard, it should be noted that a common sewer service area boundary has been agreed upon between the communities of Brookfield, Menomonee Falls, and Sussex, as set forth in SEWRPC Community Assistance Planning Report Nos. 109, Sanitary Sewer Service Area for the City and Town of Brookfield and the Village of Elm Grove, Waukesha County, Wisconsin, November 1991, and 208, Sanitary Sewer Service Areas for the Village of Lannon and Menomonee Falls, Waukesha County, Wisconsin, June 1993. That agreement was based upon analyses of cost effectiveness set forth in a report entitled Amendment to the Regional Water Quality Management Plan, Upper Fox River Watershed, Brookfield and Sussex Sewage Treatment Plants, May 1989. Clearly, the most cost-effective means of providing public sewer service to the entire Sussex service area is through the Village of Sussex sewerage system.

PUBLIC REACTION TO THE PROPOSED SANITARY SEWER SERVICE AREA

A public hearing was held on August 23, 1994, for the purpose of receiving comments on the revised Village of Sussex sanitary sewer service area as shown on Map 5. This hearing was sponsored jointly by the Village of Sussex and by the Regional Planning Commission. Summary minutes of the public hearing are presented in Appendix A.

A brief summary of the findings and recommendations of the sewer service area update and refinement effort was presented prior to receiving public comment. The rationale for revising the sanitary sewer service area for the Village of Sussex was presented and the importance of

the delineation of the service area was described, as was the importance of the delineation of environmentally sensitive lands within the service area. Comments on the report and accompanying maps were then solicited.

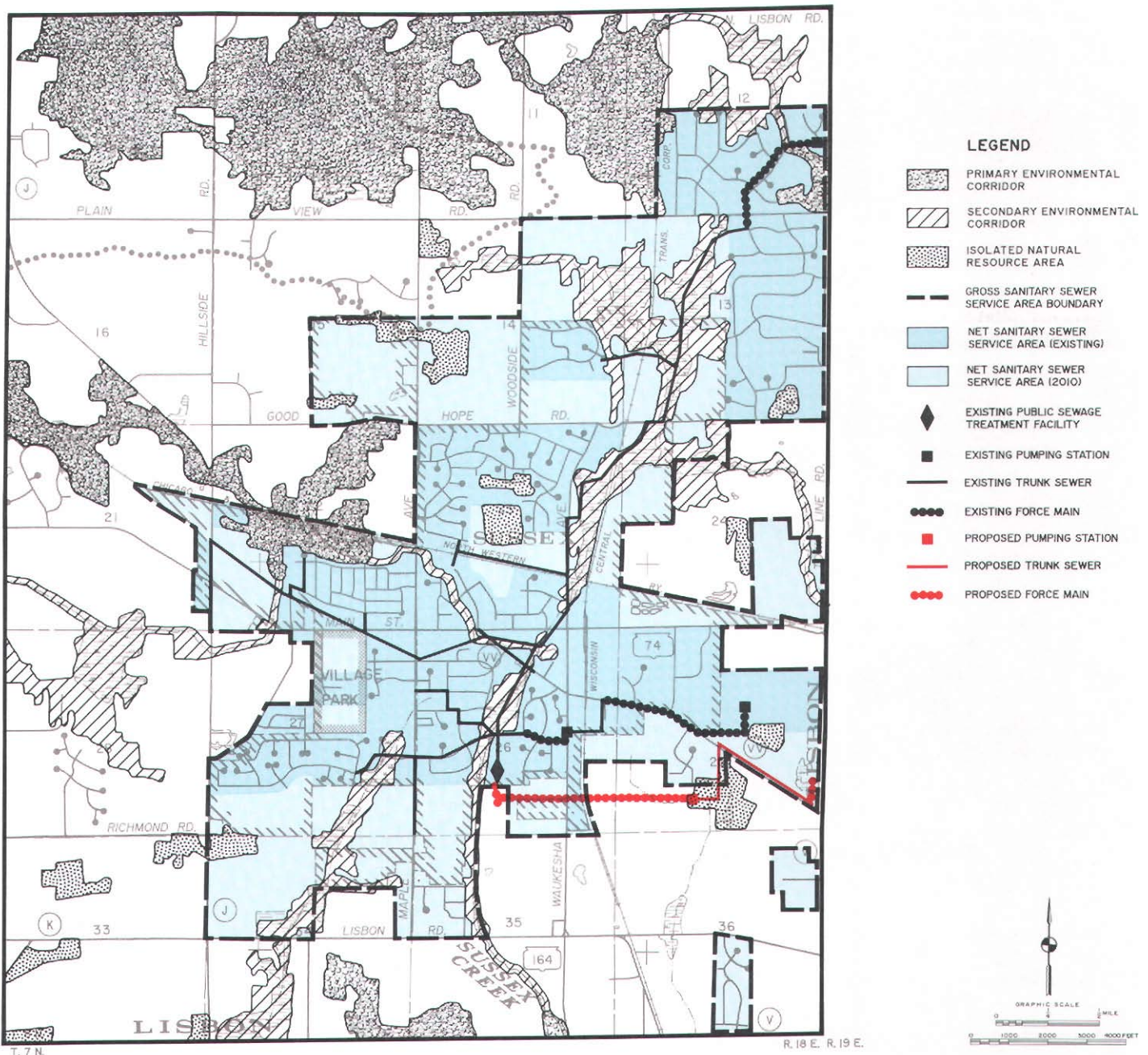
A review of the hearing record indicates that four substantive concerns were raised. The first concern, expressed by representatives of the Town of Lisbon and the Town of Lisbon Sanitary District No. 1, related to a possible addition to the preliminarily revised sewer service area to include 97 acres of lands associated with the Town of Lisbon Sanitary District No. 1 located in U. S. Public Land Survey Section 36, Township 8 North, Range 19 East. Such lands, located within the currently adopted sewer service area for the Village of Sussex, as shown on Map 4, are currently developed and utilize onsite soil absorption sewage disposal systems. The Village of Sussex Plan Commission concurred with this change, which is reflected on Map 7.

The second concern, expressed by representatives of the Town of Lisbon, related to a possible addition to the preliminarily revised sewer service area to include approximately 98 acres of land associated with the Willow Springs Mobile Home Park located in the southeast one-quarter of U. S. Public Land Survey Section 24, Township 8 North, Range 19 East, Town of Lisbon. Such lands, located within the currently adopted sewer service area for the Village of Sussex, as shown on Map 4, are currently developed and utilizes a private sewage treatment facility which is recommended in the adopted regional water quality management plan to be abandoned. The Village of Sussex Plan Commission concurred with this change which is also reflected on Map 7.

The third concern, also expressed by representatives of the Town of Lisbon, related to a possible addition to the preliminarily revised sewer service area to include approximately 160 acres of land located within the northwest one-quarter of U. S. Public Land Survey Section 13, Township 8 North, Range 19 East, Town of Lisbon. It was noted the exclusion of such lands from the planned service area, as shown on Map 5, would create an isolated unsewered area. Review of this matter indicated that while most of the lands in question were identified as secondary environmental corridor, it would be desirable to provide sanitary sewer service to lands not identified as secondary environmental corridor fronting on

Map 7

POST-PUBLIC HEARING VILLAGE OF SUSSEX SANITARY SEWER SERVICE AREA



Source: SEWRPC.

Plainview Road, such lands being immediately adjacent to lands currently served. Thus, the area in question is to be added to the service area as reflected on Map 7.

The fourth concern, also expressed by representatives of the Town of Lisbon, related to the lack of detailed information within the sewer service

area report concerning the contracted allocation of the Sussex sewage treatment facility for the Town of Lisbon as agreed upon between the Village of Sussex and the Town of Lisbon. The staff of the Regional Planning Commission subsequently agreed to provide such detailed information within this report for each community which had such a contract with the Village

of Sussex. This allocation of capacity of the Village of Sussex sewage treatment facility is addressed later in this report.

Subsequent to the public hearing held on August 23, 1994, the Commission received three letters concerning the hearing, copies of which are presented in Appendix B of this report. The first letter, dated September 9, 1994, from Mr. Joseph C. Cantwell, Vice-President of Graef, Anhalt, Schloemer and Associates, Inc., to Mr. Donald Holt, Chairman of the Town of Lisbon, provided the findings of a Graef, Anhalt, Schloemer and Associates, Inc., review of the draft Sussex sanitary sewer service area plan as the plan pertained to the Town. This review was undertaken at the request of the Town of Lisbon. The second letter, also dated September 9, 1994, from Mr. Joseph C. Cantwell to Mr. Richard Beckman, Chairman of the Town of Lisbon Sanitary District No. 1, provided the findings of the Graef, Anhalt, Schloemer and Associates, Inc., review of the draft plan as the plan pertained to the Sanitary District. This review was undertaken at the request of the Town of Lisbon Sanitary District No. 1.

It should be noted that the concerns raised in these two letters dealt with the possible addition of lands to the preliminarily revised sewer service area and with the contracted allocation of the Sussex sewage treatment facility which the Town of Lisbon and the Town of Lisbon Sanitary District No. 1 had agreed upon with the Village of Sussex. The concerns have been addressed previously, as set forth in the discussion concerning the comments raised at the public hearing.

In a third letter, dated September 12, 1994, from Mr. Joseph C. Cantwell to the Commission, a concern was expressed by Mr. Cantwell, on behalf of the Town of Lisbon, relating to the jurisdictional considerations of three existing subdivisions: the Circle Crest subdivision in U. S. Public Land Survey Section 25, Township 8 North, Range 19 East, Town of Lisbon, and the Winfield Acres and Lisbon Lawns subdivisions in Section 35, Township 8 North, Range 19 East, Town of Lisbon. Mr. Cantwell, as the consulting engineer for the Town of Lisbon, indicated that on the basis of his review of Map 5 of the draft sewer service area plan, it seemed there was an implication that the three subdivisions would, over time, become part of the Village of Sussex. Mr. Cantwell further

indicated that it was the Town's understanding that the existing subdivisions could be provided with public sewer service and remain part of the Town without annexation into the Village. It was therefore requested that the map be revised to indicate that these subdivisions will remain in the Town of Lisbon. After review of this matter by the Village of Sussex and the Regional Planning Commission however, it was determined that Map 5 and the similar post-public hearing map, Map 7, would not be revised to indicate specific future local unit of government jurisdiction, since such matters would have to be decided locally within the context of local intergovernmental agreements.

REVISED VILLAGE OF SUSSEX SANITARY SEWER SERVICE AREA

The year 2010 Sussex sanitary sewer service area, as revised to reflect the substantive comments expressed at the public hearing held on August 23, 1994, and as adopted by the Village Board of the Village of Sussex on August 23, 1994, is shown on Map 7.

The gross Village of Sussex sanitary sewer service area, as shown on Map 7, totals about 7.4 square miles. This gross sewer service area includes 0.1 square mile of primary environmental corridors, about 0.8 square mile of secondary environmental corridors, and about 0.2 square mile of isolated natural resource areas. Therefore, a total of 1.1 square miles, or about 15 percent of sewer service area, would be encompassed in environmentally sensitive areas, consisting of primary and secondary environmental corridor and isolated natural resource area lands.

The sewer service area as shown on Map 7 would accommodate a year 2010 resident population of about 13,900 persons, including 11,300 persons in the Village of Sussex, 1,900 persons in the Town of Lisbon Sanitary District No. 1, and 700 persons in the Willow Springs Mobile Home Park located in the Town of Lisbon. It should be noted that this population level of 13,900 persons for the Village of Sussex sewer service area lies within the range of population levels considered for this area in the Commission's year 2010 regional land use plan. The incremental population and housing unit levels envisioned in the sewer service area would be accommodated at a density of about 3.0 dwelling units per net residential acre. This density lies

Table 2

**SELECTED DATA CONCERNING THE PLANNED SANITARY SEWER SERVICE
AREAS ATTENDANT TO THE VILLAGE OF SUSSEX SEWAGE TREATMENT PLANT**

Sewer Service Area	Aerial Extent ^a (square miles)	2010 Population ^a	Treatment Facility Capacity Allocation ^b (million gallons per day)	Percent of Plant Capacity ^b
Village of Sussex	6.1	11,300	1.92	60.0
Village of Lannon	2.6	1,700	0.30	9.4
Village of Menomonee Falls	3.7	1,300	0.55	17.2
Town of Lisbon ^c	0.2	700	0.23	7.2
Town of Lisbon Sanitary District No. 1	1.1	1,900	0.20	6.2
Total	13.7	16,900	3.20	100.0

^aThis information is based upon sewer service area delineations and population data developed for the Lannon and Menomonee Falls and Sussex sewer service area plans.

^bThis information is based upon data prepared for the Village of Sussex sewage treatment plant facility plan.

^cCurrently, only that portion of the Town of Lisbon sewer service area, and attendant population, associated with the Willow Springs Mobile Home Park has been identified and refined. The remainder of the sewer service area, not yet identified nor refined, will be the subject of a future sanitary sewer service area amendment effort. The population equivalent used by the Town of Lisbon, however, as estimated to determine its needed capacity of the Village of Sussex sewage treatment plant, was 3,580 persons, including the 700 persons noted herein to be associated with the Willow Springs Mobile Home Park. Based upon this information, the total planned year 2010 resident population of the areas envisioned to be tributary to the Village of Sussex sewage treatment plant would approximate 19,800 persons.

Source: SEWRPC.

within the recommended density range for the Village of Sussex area of the Region as identified in the Commission-adopted regional land use plan for the year 2010.⁴

⁴Net incremental residential density in the refined Village of Sussex sewer service area is determined by dividing the total number of incremental dwelling units anticipated in the sewer service area in the design year, by the net incremental residential land area anticipated within that area.

The total number of incremental dwelling units anticipated in the Village of Sussex sewer service area, based upon the Village of Sussex development plan, is 2,444 units.

The incremental net residential land anticipated in the Village of Sussex sewer service area, based upon the Village of Sussex development plan, totals about 822 acres.

The total number of incremental dwelling units anticipated in the sewer service area in the design year, 2,444 units, divided by the incremental net residential land within the sewer service area, 822 acres, results in an incremental net residential density of 3.0 dwelling units per acre.

COMBINED SEWER SERVICE AREA ATTENDANT TO THE VILLAGE OF SUSSEX SEWAGE TREATMENT PLANT

The combined planned sewer service area attendant to the Village of Sussex sewage treatment plant includes lands within the Villages of Lannon, Menomonee Falls, and Sussex; the Town of Lisbon Sanitary District No. 1; and other lands in the Town of Lisbon. Specific sewage treatment plant capacity was allocated to each of these units of government during the facility planning for the new treatment plant. The allocated treatment plant capacity, as well as the planned sewer service area size and planned population levels associated with each of the service areas attendant to the Village of Sussex sewage treatment plant, is shown in Table 2.

As previously discussed and as shown on Table 2, the Village of Sussex sewer service area encompasses about 6.1 square miles and would accommodate a year 2010 resident population of about 11,300 persons. The Village's allocated sewage treatment plant capacity of 1.92 million gallons per day (mgd) would occupy about 60 percent of sewage treatment plant capacity.

In addition to the aforementioned lands envisioned to be tributary to the Village of Sussex sewage treatment facility, four additional areas, two of which, the Village of Lannon and the Village of Menomonee Falls sewer service areas, set forth in SEWRPC Community Assistance Planning Report No. 208, Sanitary Sewer Service Areas for the Villages of Lannon and Menomonee Falls, Waukesha County, Wisconsin, June 1993, and two of which, the Town of Lisbon and the Town of Lisbon Sanitary District No. 1 sewer service areas, set forth herein, are also envisioned to be tributary to the Sussex treatment facility. Selected data on these four areas are also provided in Table 2, and are shown on Map 8.

The Village of Lannon sewer service area anticipated to be tributary to the Village of Sussex sewage treatment plant would encompass about 2.6 square miles and accommodate a planned year 2010 resident population of about 1,700 persons under the Commission's adopted land use plan. As also noted in Table 2, the Village of Lannon has contracted with the Village of Sussex for an allocation of 0.30 mgd, or about 10 percent of the Village of Sussex's sewage treatment plant capacity.

The Village of Menomonee Falls sewer service area anticipated to be tributary to the Village of Sussex sewage treatment facility would encompass about 3.7 square miles and accommodate a planned year 2010 resident population of about 1,300 persons under the Commission's adopted land use plan. As also noted in Table 2, the Village of Menomonee Falls has contracted with the Village of Sussex for an allocation of 0.55 mgd, or about 17 percent of the Village of Sussex's sewage treatment plant capacity.

The portion of the Town of Lisbon sewer service area, as refined herein, anticipated to be tributary to the Village of Sussex sewage treatment facility would encompass about 0.2 square mile and accommodate a planned year 2010 resident population of about 700 persons under the Commission's adopted land use plan. It should be noted that there are additional lands and additional population in the Town of Lisbon which are expected to be tributary to the Village of Sussex sewage treatment plant which have not yet been specifically delineated. Such lands will be refined as part of a subsequent sewer service area amendment effort. As also noted in Table 2, the Town of Lisbon has contracted with

the Village of Sussex for an allocation of 0.23 mgd, or about 7 percent of the Village of Sussex's sewage treatment plant capacity.

The Town of Lisbon Sanitary District No. 1 sewer service area anticipated to be tributary to the Village of Sussex sewage treatment facility encompasses about 1.1 square miles, and would accommodate a planned year 2010 resident population of about 1,900 persons under the Commission's adopted land use plan. As also noted in Table 2, the Town of Lisbon Sanitary District No. 1 has contracted with the Village of Sussex, for an allocation of 0.20 mgd, or about 6 percent of the Village of Sussex's sewage treatment plant capacity.

As shown on Map 8, the combined area of lands envisioned to be tributary to the Village of Sussex sewage treatment facility, including lands in the Village of Sussex as identified in the Village of Sussex development plan currently under preparation and as revised to reflect the substantive concerns expressed at the public hearing held on August 23, 1994, and lands in the Villages of Lannon and Menomonee Falls which were the subject of SEWRPC Community Assistance Planning Report No. 208 and the lands identified herein within the Town of Lisbon and the Town of Lisbon Sanitary District No.1 total approximately 13.7 square miles.

Detailed delineations of the final Sussex sanitary sewer service area, and environmentally significant lands within this area, is shown on a series of aerial photographs reproduced as Map 9, beginning on page 24 and continuing through page 30 of this report.

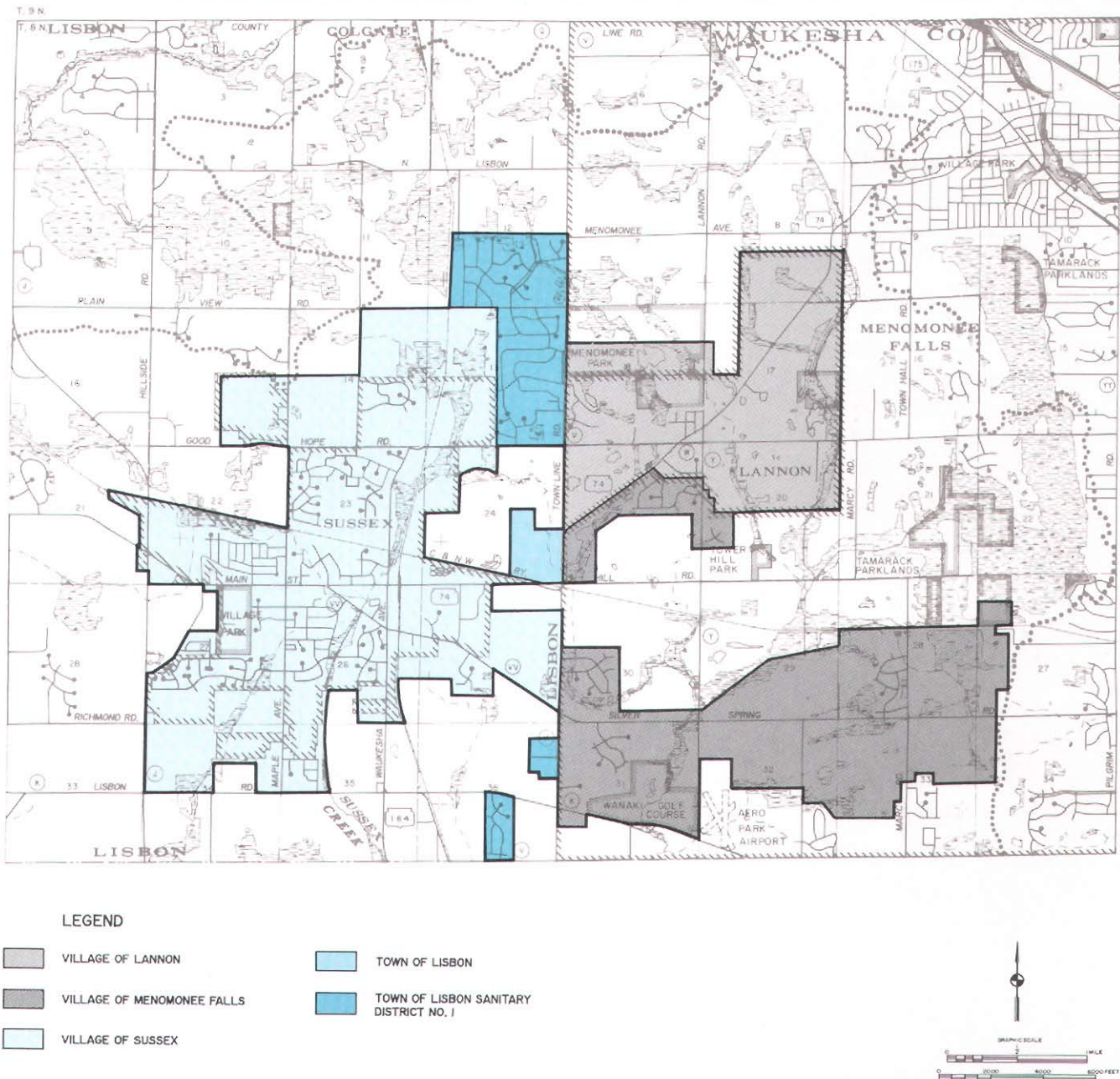
SEWAGE TREATMENT PLANT CAPACITY IMPACT ANALYSIS

The Village of Sussex sewage treatment facility is currently undergoing a plant expansion and upgrading, which, when completed, will have a capacity to treat about 3.2 mgd of sewage on an average annual basis. The treatment plant capacity is proposed to be shared by the Villages of Sussex, Lannon, and Menomonee Falls, the Town of Lisbon Sanitary District No. 1, and the Town of Lisbon.

The design of the sewage treatment plant currently under construction is based upon an estimated year 2010 design population of 20,800,

Map 8

PLANNED SANITARY SEWER SERVICE AREAS TRIBUTARY TO THE SUSSEX SEWAGE TREATMENT PLANT



Source: SEWRPC.

including 14,500 persons within the Village of Sussex and the Town of Lisbon Sanitary District No. 1 areas and the Willow Springs Mobile Home Park in the Town of Lisbon.⁵ The sewer

⁵*Village of Sussex Wastewater Treatment Facility, Facility Plan, December 1990.*

service area herein delineated on Map 7 has a planned design year 2010 resident population of 13,900 for the Village of Sussex, the Town of Lisbon Sanitary District No. 1, and the Willow Springs Mobile Home Park in the Town of Lisbon areas, as estimated by review of existing land uses and of committed and possible future development of all developable vacant lands in the service area based upon current local land

use planning. Since the planned population level now envisioned for the abovereferenced areas to be served by the Village of Sussex sewage treatment plant is about the same or slightly less than planned population level used in the facility planning for the Village's sewage treatment plant, that plant should have adequate capacity to serve the revised sewer service area set forth herein through the year 2010.

It should be noted, however, that in addition to the aforementioned lands planned to be tributary to the Village of Sussex sewage treatment plant, there are three additional areas, the Village of Lannon, a portion of the Village of Menomonee Falls, and a portion of the Town of Lisbon, which are also envisioned to be tributary to the Village of Sussex sewage treatment plant. Specific sewage treatment plant capacity was allocated to each of these units of government, as well as to the Village of Sussex and the Town of Lisbon Sanitary District No. 1, during the facility planning for the new treatment plant. Detailed information concerning the allocation of sewage treatment capacity for these areas is set forth in a previous section of this report. As also described in that section, the total planned year 2010 resident population of all areas envisioned to be served by the Sussex sewage treatment plant would approximate 19,800 persons.

IMPLEMENTING RECOMMENDATIONS

It is recommended that the following steps be taken to implement the sanitary sewer service area proposals contained in this report:

1. Formal adoption or endorsement of SEWRPC Planning Report No. 30, A Regional Water Quality Management Plan for Southeastern Wisconsin: 2000, and this SEWRPC Community Assistance Planning Report by the Village Board of the Village of Sussex, as the operator of the sewage treatment facility; by the Town Board of the Town of Lisbon, as having lands affected by the planned sanitary sewer service area; by the Waukesha County Park and Planning Commission, as the county planning agency having joint responsibility with the Town in planning and zoning and otherwise regulating the development of lands in the

study area outside of the incorporated area; and by the Town of Lisbon Sanitary District No. 1.

2. Formal adoption of this SEWRPC Community Assistance Planning Report by the Regional Planning Commission as an amendment to the regional water quality management plan set forth in SEWRPC Planning Report No. 30, with certification of this report as a plan amendment to all parties concerned, including the Wisconsin Natural Resources Board and the U. S. Environmental Protection Agency.
3. Review by all of the local units of government concerned of their zoning, land subdivision control, and related ordinances to ensure that the policies expressed in such ordinances reflect the urban development recommendations inherent in the final delineated Village of Sussex sanitary sewer service area as shown on Maps 7 and 9. In particular, steps should be taken to ensure that those lands identified as being environmentally significant in this report are properly zoned to reflect a policy of retaining such lands, insofar as possible, in essentially natural, open uses.
4. Review by the Village of Sussex and Waukesha County of utility extension policies to ensure that such policies are consistent with the urban land development recommendations inherent in the delineation of the planned sanitary sewer service area.

SUBSEQUENT REFINEMENTS TO THE VILLAGE OF SUSSEX SEWER SERVICE AREA

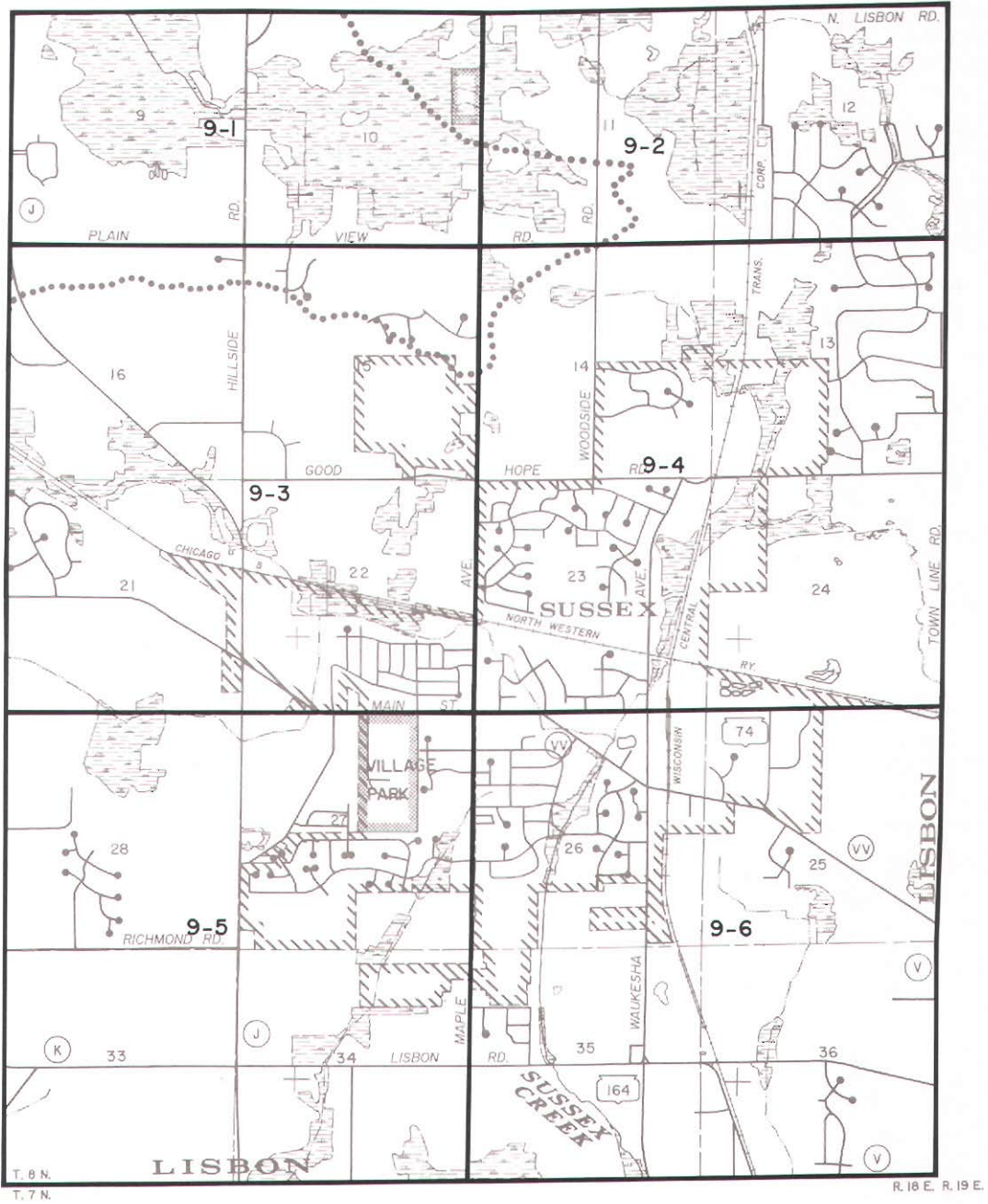
This report presents the revised sewer service area for the Village of Sussex. The refined sewer service area was delineated cooperatively by the units and agencies of government concerned and was subjected to review at a public hearing. It is envisioned that the delineated sewer service area will accommodate all new urban development anticipated in the Village of Sussex area to the year 2010. Like other long-range plans, however, this sewer service area plan should be reviewed periodically, every five years, to assure

that it continues to properly reflect the urban development objectives of the communities involved, especially as such objectives may relate to the amount and spatial distribution of new urban development requiring sewer service. Should it be determined by the Village of Sussex, as the operator of the sewage treatment facility involved, that amendments to the sewer service area plan as presented herein are necessary, the Village should ask the Southeastern Wisconsin Regional Planning Commission for assistance in undertaking the technical work required to properly amend the plan. Any such plan revision should be carried out in a manner similar to that utilized in the refinement effort described in this report. While plan amendment may be expedited

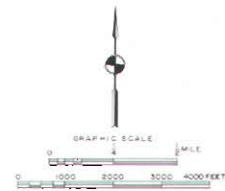
because study area base maps have been prepared and certain inventories completed as part of the sewer service area planning documented herein, such amendment should be subject to the same analyses and interagency review and should include a public hearing to obtain the comments and suggestions of those citizens and landowners most affected by the proposed changes to the sewer service area boundary. Upon agreement on a revised sewer service area, the new plan map should be endorsed by the Village Board of the Village of Sussex and by the Southeastern Wisconsin Regional Planning Commission prior to certification to the Wisconsin Department of Natural Resources and the U. S. Environmental Protection Agency.

Map 9

**INDEX OF MAPS SHOWING ENVIRONMENTALLY SIGNIFICANT LANDS AND PLANNED
SANITARY SEWER SERVICE AREA FOR THE VILLAGE OF SUSSEX AND ENVIRONS**



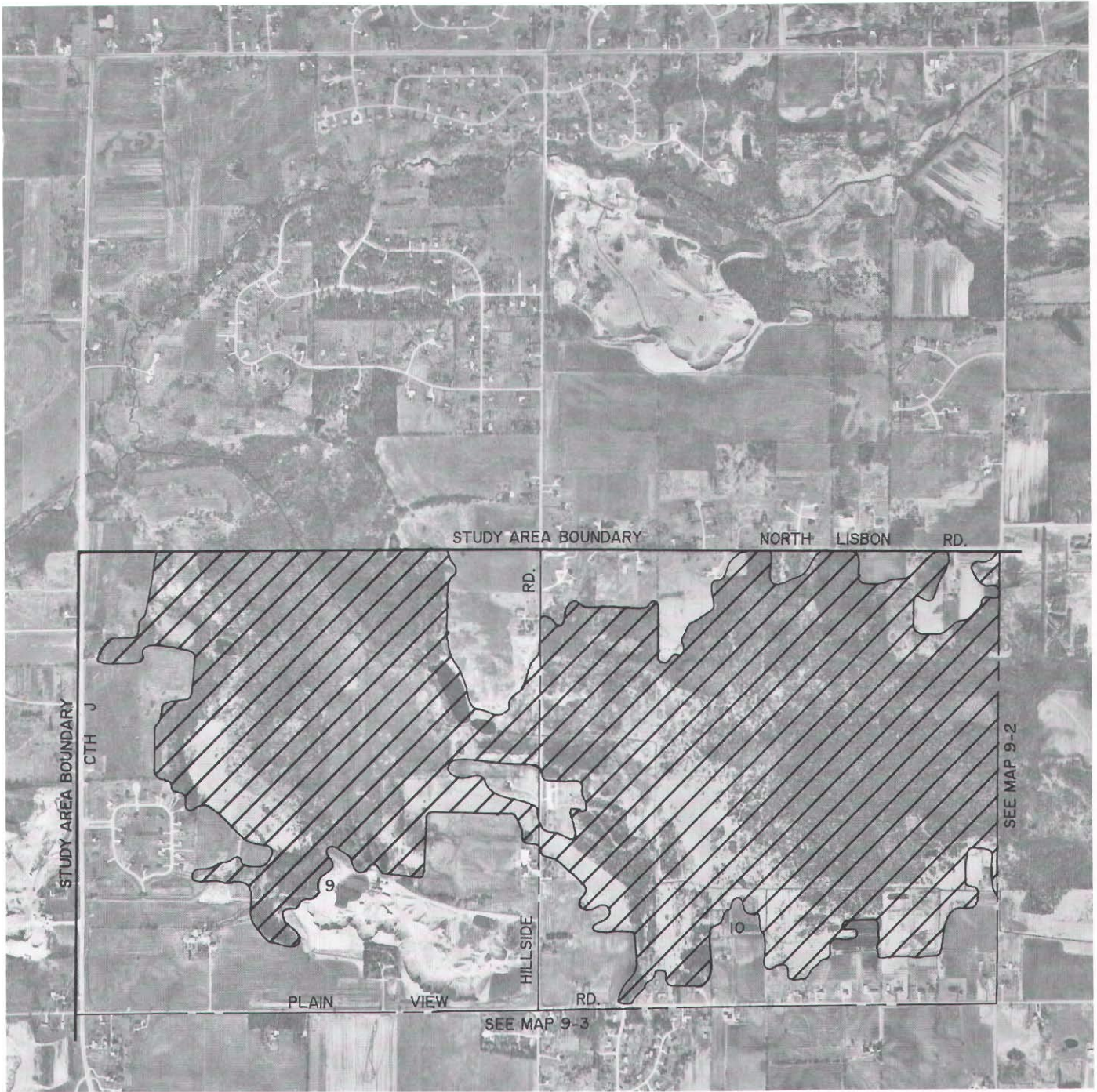
Source: SEWRPC.



Map 9-1

ENVIRONMENTALLY SIGNIFICANT LANDS
FOR THE VILLAGE OF SUSSEX AND ENVIRONS

U. S. Public Land Survey Sections 9 and 10
Township 8 North, Range 19 East



LEGEND

 PRIMARY ENVIRONMENTAL CORRIDOR



Source: SEWRPC.





Map 9-2

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

U. S. Public Land Survey Sections 11 and 12
Township 8 North, Range 19 East



LEGEND

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

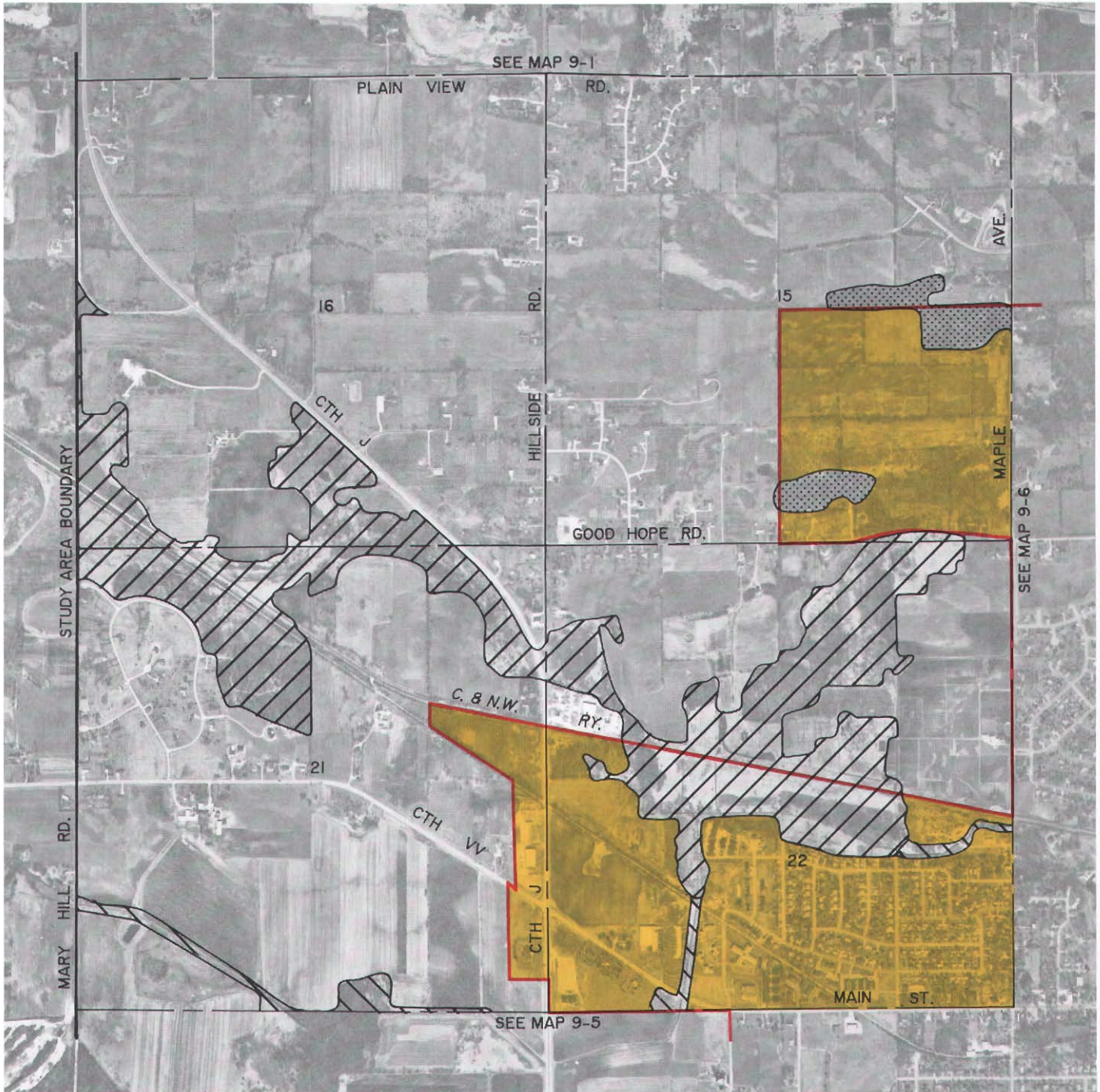


Source: SEWRPC.






Map 9-3

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

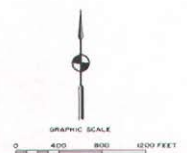
U. S. Public Land Survey Sections 15, 16, 21, and 22
Township 8 North, Range 19 East



LEGEND

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

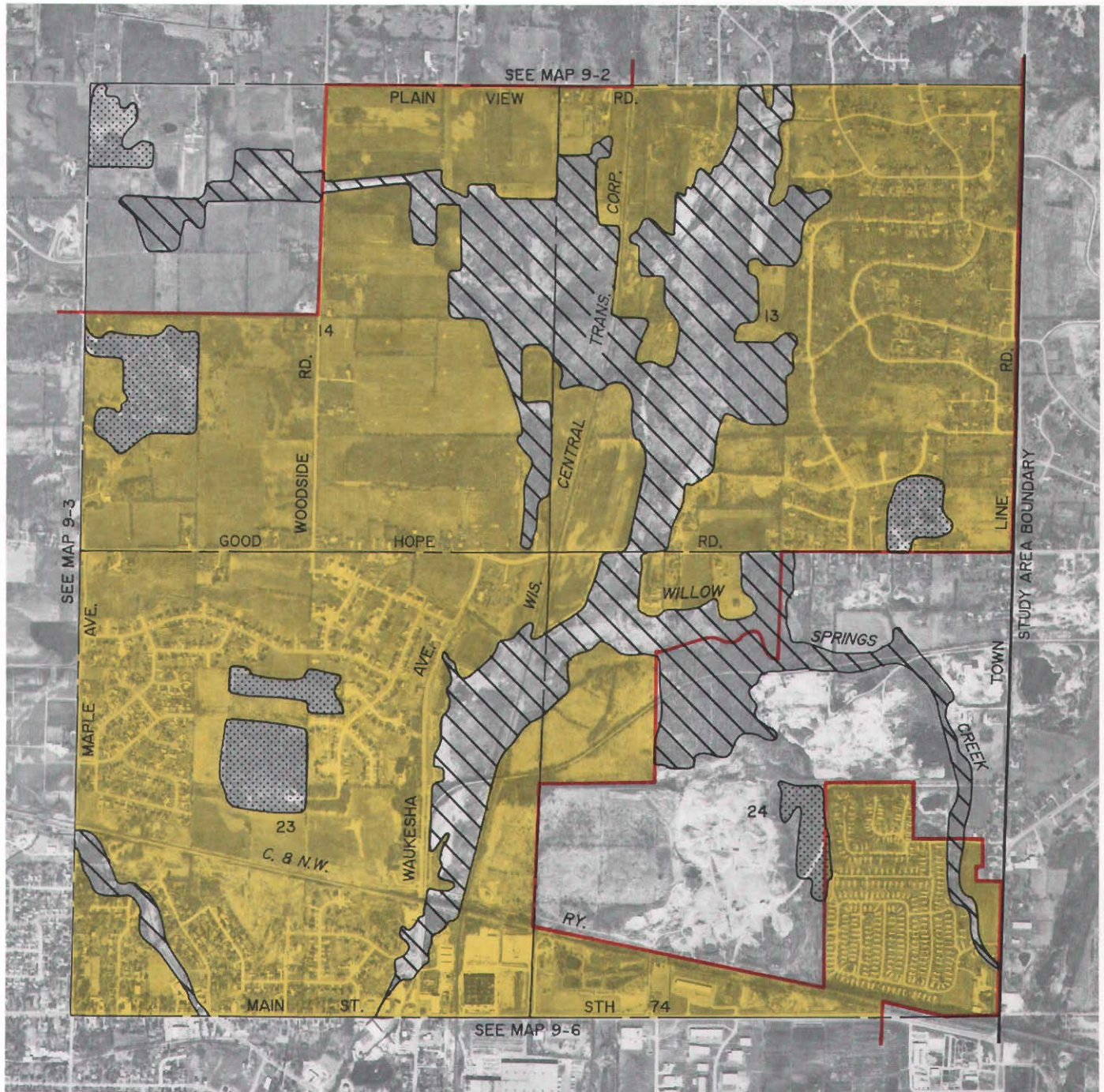
Source: SEWRPC.







Map 9-4

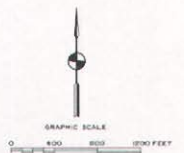
ENVIRONMENTALLY SIGNIFICANT LANDS AND PLANNED SANITARY
SEWER SERVICE AREA FOR THE VILLAGE OF SUSSEX AND ENVIRONS

U. S. Public Land Survey Sections 13, 14, 23, and 24
Township 8 North, Range 19 East



LEGEND

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

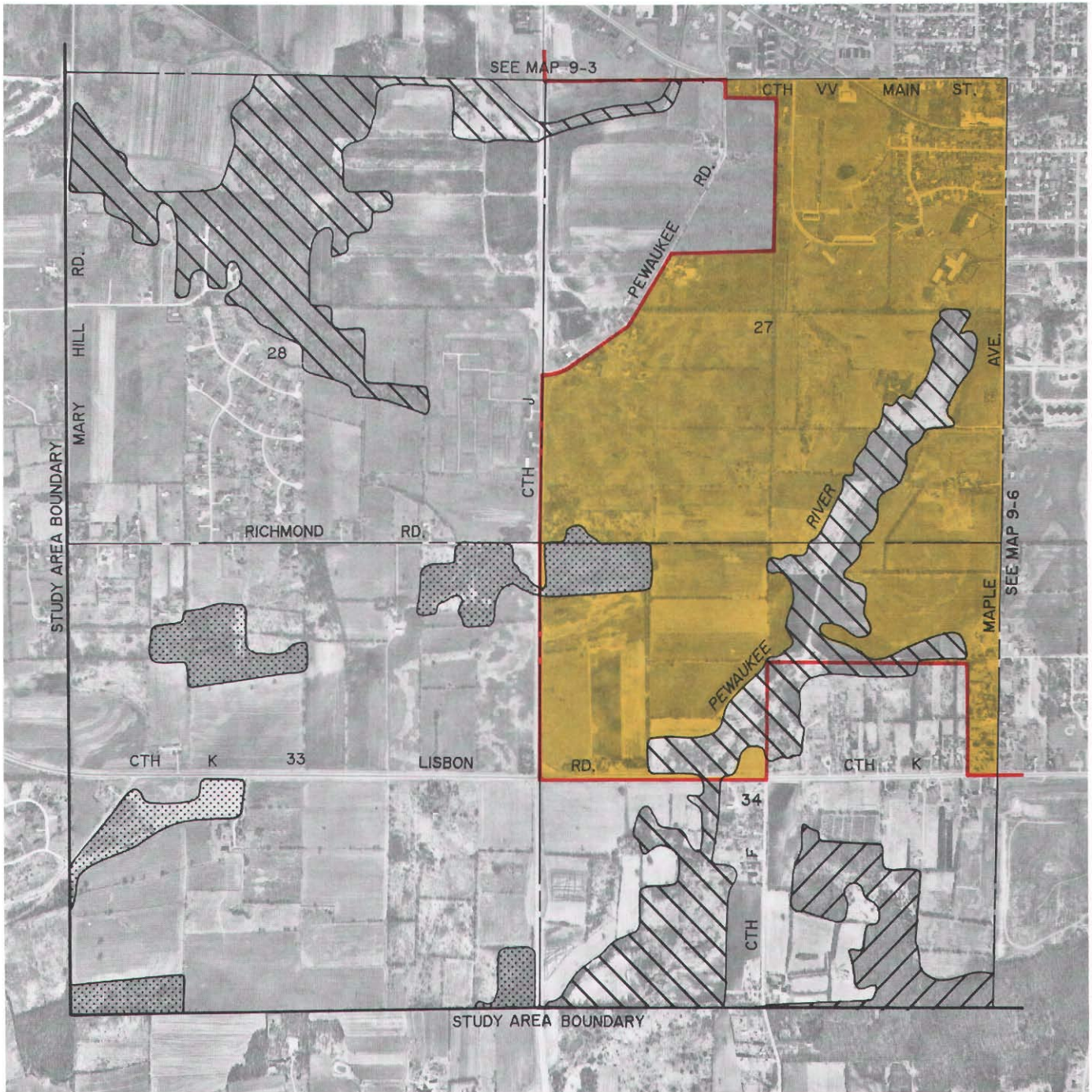







Source: SEWRPC.

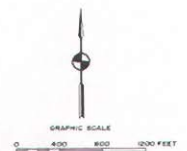
Map 9-5

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

**U. S. Public Land Survey Sections 27, 28, 33, and 34
Township 8 North, Range 19 East**



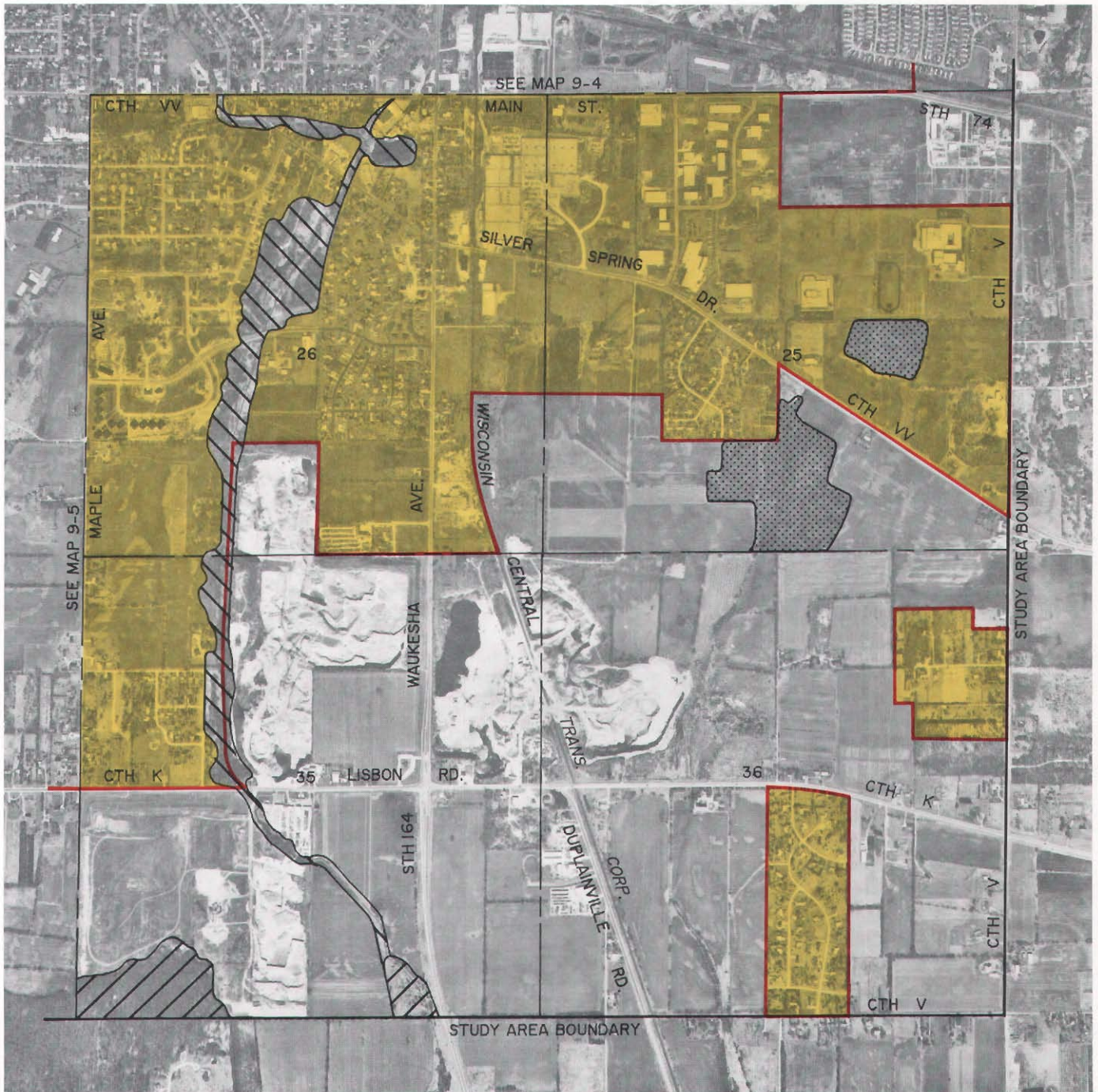
- LEGEND
-  PRIMARY ENVIRONMENTAL CORRIDOR
 -  SECONDARY ENVIRONMENTAL CORRIDOR
 -  ISOLATED NATURAL RESOURCE AREA
 -  PLANNED SANITARY SEWER SERVICE AREA
 -  GROSS SANITARY SEWER SERVICE AREA BOUNDARY








Source: SEWRPC.

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

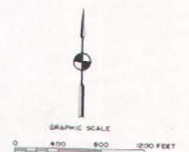
U. S. Public Land Survey Sections 25, 26, 35, and 36
Township 8 North, Range 19 East



LEGEND

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

Source: SEWRPC.



APPENDICES

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Appendix A

MINUTES OF PUBLIC HEARING

Sanitary Sewer Service Area for the Village of Sussex August 23, 1994

Minutes of the Public Hearing by the Village Board on August 23, 1994.

The hearing was called to order at 7:00 P. M. by Village President John H. Tews.

Trustees present: Carl Senger, Sal Maglio, Robert Terrell, Henry Carlson, and Patricia Bartlett.

Trustees absent: Brian Anderson.

Others present: Administrator M. Chris Swartz, Attorney John Macy, Deputy Clerk Treasurer Susan Freiheit, and SEWRPC Representatives Robert Bieble, Bruce Reuben and Roland Tonn.

President Tews read the notice of public hearing regarding the proposed year 2010 sewer service area plan for the Village of Sussex.

Mr. Reuben reviewed the preliminary draft of Community Assistance Planning Report No. 84 (Second Edition) prepared by SEWRPC for the Village of Sussex regarding the Sanitary Sewer Service Area for the Village.

Mr. Donald Holt, Lisbon Town Chairman, stated that he received this information last Friday and that he has had no chance to look at it and talk to their consultants. Mr. Holt stated that the area in the southeast part of the Town and the mobile home park are not delineated as being in the sewer service area. Mr. Holt requested that they be given 30 days to review the information and submit it to the Village prior to final adoption.

Mr. Bieble stated that it was an oversight that the mobile home and Sanitary Sewer District #2 area was not included. Mr. Bieble stated that SEWRPC will publish a post public hearing map regarding this information.

Mr. Holt asked why the islands west of the Village were not included on this map when the Town is purchasing capacity in the regional plant.

Mr. Bieble stated that the plan was that they would meet with each community and then refine the sewer service area for the regional plant. Mr. Bieble stated that the Lisbon sewer service area could be done as part of this process, however, there are time constraints. Mr. Bieble stated that he has not had the opportunity to look at the sewer service area in the Town. Mr. Bieble stated that he was willing to go through this process with the Town.

Mr. Holt stated that the new plan deletes areas of the Town, however, shows the total capacity. Mr. Tews stated that the capacity shown is based on gallonage that the Village owns in the plant and the map looks to that for sewer service capacity by annexation. Mr. Bieble stated that Page 28 should be clarified regarding this matter.

Mr. Dick Beckman, Lisbon Sanitary District #1, questioned possible service to the southeast portion of the Town. Mr. Beckman stated that the DNR turned this area down because it was not economical to service.

Mr. Joe Cantwell, Graef, Anhalt, Schloemer & Assoc., stated that some of the planning work has been done to Pewaukee District #3.

Mr. Bieble stated that there is planned growth in the sanitary district from 410 to 600+ in the north part of the Lisbon Sanitary District #1.

Mr. Terrell stated that with questions from the Town, perhaps the Village should obtain questions from Menomonee Falls and Lannon. Mr. Bieble stated that this process was just done with Menomonee Falls and Lannon. Mr. Tews stated that their plan uses up their capacity.

Mr. Swartz stated that the elimination of the trailer park was not an oversight of the Village because the capacity to serve the park was in the Town's capacity just like the islands west of the Village. Mr. Bieble stated that the park always was in the sewer service area and would be a deletion.

Mr. Holt asked why an area on Plainview Road west of Moraine Park Estates was not included in the sewer service area. Mr. Tews stated that there is an environmental corridor in this area. Mr. Holt stated that there is land in the area that is not in the environmental corridor. Mr. Tews stated that the capacity is not there for this area. Mr. Tews stated that the Lisbon Sanitary District could be expanded.

Mr. Tews stated that he will hold the hearing open until September 14, 1994 to obtain comments regarding the Village's Sewer Service Area. Mr. Tews stated that the Village Plan Commission considered this plan and recommended approval.

Mr. Macy stated that the Village never intended to leave Lisbon out of this or put them under the gun. Mr. Macy stated that Lisbon has the right to go through this process also and that this plan is for the Village of Sussex and the Lisbon Sanitary District #1. Mr. Macy stated that all of the capacity is accounted for. Mr. Macy stated that the Village will not tell the Town of Lisbon where to use there capacity.

Mr. Holt stated that there are not looking to develop with sewers, however, just help those who are in need of it.

As there were no more citizens present who wished to be heard,

A motion by Carlson, seconded by Maglio, to adjourn the public hearing at 7:40 P. M. Motion carried.

Respectfully submitted,

Susan M. Freiheit
Deputy Clerk-Treasurer

Appendix B



**GRAEF
ANHALT
SCHLOEMER**
and Associates Inc.

**CORRESPONDENCE PERTAINING TO THE SANITARY
SEWER SERVICE AREA FOR THE VILLAGE OF SUSSEX**

Engineers & Scientists

345 North 95th Street, Milwaukee, Wisconsin 53226-4441 • 414-259-1500 • FAX 414-259-0037

September 9, 1994

Town of Lisbon
N234 W8676 Woodside Road
Sussex, Wisconsin 53089

Attention: Mr. Donald Holt, Chairman

RE: Review of SEWRPC Planning Report No. 84

Dear Mr. Holt:

Graef, Anhalt, Schloemer & Associates Inc. (GAS) has reviewed Planning Report No. 84 with reference to the Town of Lisbon.

The intent of SEWRPC Planning Report No. 84 is to define the sewer service area for the Village of Sussex with regard to their portion of the new wastewater treatment facility (WWTF). In doing this, the report left the impression that all capacity in the WWTF was consumed by the potential service area of the Village of Sussex.

I have been in contact with Mr. Biebel at SEWRPC to discuss this matter. Mr. Biebel indicated that mapping included in the final report will show that Willow Springs Mobile Home Park will be provided service, however, that specific provision of service will come from the Town's allocation. The service to Willow Springs Mobile Home Park will be the only specific Town service shown, because the remaining allocation of 200,000 gpd is not presently allocated to a specific service area.

It may be appropriate for the Town to request SEWRPC to delineate the service area for the remaining 200,000 gpd capacity. Mr. Biebel stated that the maps included with Planning Report No. 84 will show Willow Springs Mobile Home Park will be served, and wording would be included that would identify that the Town had an overall reserve capacity of 230,000 gpd, but only 30,000 gpd has been specifically allocated to Willow Springs Mobile Home Park, with the remaining 200,000 gpd treatment capacity available to the Town to service undefined areas.

If you have any questions on this, please feel free to contact me.

Sincerely,

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES INC.


Joseph C. Cantwell, P.E.

JCC:fls

cc: Town Board

Mr. Biebel, SEWRPC

Milwaukee, Wisconsin
Green Bay, Wisconsin
Madison, Wisconsin
Chicago, Illinois
Colorado Springs, Colorado



**GRAEF
ANHALT
SCHLOEMER**
and Associates Inc.

Engineers & Scientists

345 North 95th Street, Milwaukee, Wisconsin 53226-4441 • 414-259-1500 • FAX 414-259-0037

September 9, 1994

Lisbon Sanitary District No. 1
Attention: Mr. Richard Beckman, Chairman
W234 N8676 Woodside Road
Sussex, Wisconsin 53089

RE: Review of SEWRPC Report No. 84

Dear Mr. Beckman:

Graef, Anhalt, Schloemer & Associates Inc. (GAS) has reviewed SEWRPC Planning Report No. 84 responsive to your request.

The intent of SEWRPC Planning Report No. 84 was to outline the potential sewer service area for the Village of Sussex. As presented, the report does do that, however, in the process a delineation of the Sanitary District area was not included nor was reference made to the treatment capacity reserved in the Village of Sussex Wastewater Treatment Facility (WWTF) for the Sanitary District.

I have been in contact with Mr. Biebel of SEWRPC to discuss these two concerns. Mr. Biebel indicated that the delineation of the Sanitary District boundaries will be included with the final report, and wording will be included to identify the treatment capacity which the Sanitary District has reserved.

Further, in response to the question of how much capacity did the District reserve, I have enclosed two letters which refer to the capacity requested. The capacity requested is:

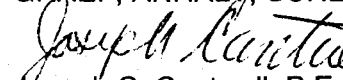
Northern Area	48,000 gpd	150 connections @ 320 gpd
Southern Area	<u>21,440 gpd</u>	<u>67 connections</u> @ 320 gpd
	69,440 gpd	217 connections

Also attached is a copy of the letter submitted to the Village of Sussex concerning the connection points to the Lannon Interceptor.

I believe this provides you with the information requested. If you have any questions about this letter, please call me.

Sincerely,

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES INC.


Joseph C. Cantwell, P.E.
JCC:fls

enclosures

cc: Sanitary District
Mr. Biebel, SEWRPC

Milwaukee, Wisconsin
Green Bay, Wisconsin
Madison, Wisconsin
Chicago, Illinois
Colorado Springs, Colorado



**GRAEF
ANHALT
SCHLOEMER**
and Associates Inc.

Engineers & Scientists

345 North 95th Street, Milwaukee, Wisconsin 53226-4441 • 414-259-1500 • FAX 414-259-0037

September 12, 1994

Southeastern Wisconsin Regional Planning Commission
Attention: Mr. Robert Biebel, P.E.
P. O. Box 1607
Old Courthouse
916 North East Avenue
Waukesha, Wisconsin 53187-1607

RE: SEWRPC Planning Report No. 84
Sanitary Sewer Service Area
Village of Sussex

RECEIVED

SEP 16 1994

SEWRPC

Dear Mr. Biebel:

On behalf of the Town of Lisbon, Graef, Anhalt, Schloemer & Associates Inc. submits the following comments on SEWRPC Planning Report No. 84. In review of Map 5, Village of Sussex Sanitary Service Area, it was identified that the Village's service area boundary for 2010 extends into the Town of Lisbon and encompasses three existing subdivisions. More specifically, in Section 25 is Circle Crest Subdivision; in Section 35 is Winfield Acres and Lisbon Lawns.

It was the Town's understanding that existing subdivisions within the Town would be served by the Town and remain part of the Town. From the map, it appears that these specific Town areas would be included into the Village and not remain Town.

The Town respectfully requests that the three referenced subdivisions be indicated to remain in the Town and they would be served through the Town's treatment capacity allocation.

If you have any questions, feel free to contact me.

Sincerely,

GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES INC.

Joseph C. Cantwell, P.E.

JCC:fls

cc: Don Holt, Town of Lisbon

Milwaukee, Wisconsin
Green Bay, Wisconsin
Madison, Wisconsin
Chicago, Illinois
Colorado Springs, Colorado