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ORIGINAL

ORDINANCE NO. 1375

AN ORDINANCE OF THE CITY OF REDMOND, WASHINGTON,  
AMENDING THE REDMOND MUNICIPAL CODE AND COMMUNITY  
DEVELOPMENT GUIDE BY ADOPTING THE CITY COMPREHENSIVE  
SEWER FACILITIES PLAN.

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WHEREAS, the Planning Commission has conducted a public hearing for the purpose of considering the adoption of a comprehensive sewer facilities plan for the City of Redmond, DGA-87-1, and

WHEREAS, at the conclusion of its deliberations, the Planning Commission forwarded its recommendations to the City Council, and the City Council has considered the same and determined that the development guide should be amended to adopt the comprehensive sewer facilities plan as set forth hereinafter, now, therefore

THE CITY COUNCIL OF THE CITY OF REDMOND, WASHINGTON, HEREBY ORDAINS AS FOLLOWS:

Section 1. The Redmond Municipal Code and Community Development Guide is hereby amended by amending Section 20B.70.080 to read as set forth on Exhibit A, attached hereto and incorporated herein by this reference as if set forth in full. The sewer facilities plan contained in said exhibit is hereby adopted as the official comprehensive sewer facilities plan for the City.

Section 2. The City Clerk is hereby directed to maintain a copy of the Exhibit to this ordinance on file with the original ordinance and available for inspection by members of the public in the office of the City Clerk.

Section 3. If any section, sentence, clause or phrase of this ordinance should be held to be invalid or unconstitutional by a court of competent jurisdiction, such invalidity or unconstitutionality shall not affect the validity or constitutionality of any other section, sentence, clause or phrase of this ordinance.

Section 4. This ordinance or a summary thereof shall be published in the official newspaper of the City, and shall take effect and be in full force thirty (30) days after the date of publication.

APPROVED:

Doreen Marchione  
MAYOR, DOREEN MARCHIONE

ATTEST/AUTHENTICATED:

Doris A. Schaible  
CITY CLERK, DORIS A. SCHAIBLE

APPROVED AS TO FORM:  
OFFICE OF THE CITY ATTORNEY

BY Jay C. Martin

FILED WITH THE CITY CLERK:	June 11, 1987
PASSED BY THE CITY COUNCIL:	June 16, 1987
PUBLISHED:	June 21, 1987
EFFECTIVE DATE:	July 21, 1987
ORDINANCE NO. <u>1375</u>	

EXHIBIT A

DGA-87-1

20B.70.080 SEWER FACILITIES PLAN

The Redmond Sewer Facilities Plan provides for the collection and disposal of sewage for a 20 year design period (1985-2005) based on assumptions and recommendations identified in the Comprehensive Sanitary Sewer Study (R.W. Beck/City of Redmond, 1987).

The primary objectives of the Comprehensive Sanitary Sewer Study were to analyze existing problem areas and deficiencies in meeting future needs, recommend improvements based on existing and future requirements and provide coordination between adjacent municipalities and sewer districts. The Study provides the technical background for goals and policies defined in the Sewer Facilities Plan, and detailed plans for needed system improvements in each drainage basin.

Policies adopted in the Sewer Facilities Plan are required to be consistent with the King County General Sewerage Plan, an element of the King County Comprehensive Plan which coordinates the provisions of sewer services between municipalities and sewerage agencies in the County. The Sewerage General Plan designates specific "Local Service Areas" for geographic areas currently served by a single sewer system. Any additions of new Local Service Areas to the Plan require approval by the King County Council as amendments to the Sewerage General Plan. In addition, creations and annexations of sewer districts must be reviewed and approved by the King County Boundary Review Board.

There are three sewer districts within the City of Redmond's comprehensive planning area: N. E. Sammamish Sewer and Water District, the Woodinville Water and Sewer District, and the Rosehill Water and Sewer District.

The Study divides the comprehensive planning area into five drainage basins for which wastewater flows were analyzed on the basis of existing zoning and land use classifications. The evaluations included computer analyses of existing and proposed systems, field investigation and identification of problems or needs in each of the drainage basin areas.

In the study area, two methods of sewage disposal are used: (1) collection by sanitary sewers for disposal to the Municipality of Metropolitan Seattle (METRO) interceptors, and (2) onsite wastewater treatment systems (typically septic tanks or community drainfields).

The City of Redmond's sewer system consists of a network of collectors, trunks, force mains, and pump stations transporting sewage to the METRO interceptors. All wastewater from the City of Redmond's service area is transported to METRO's West Point Treatment Plant with the exception of that generated within the Overlake area which flows to Bellevue and is treated at the Renton Treatment Plant.

Metro facilities serving the Redmond planning area are the Northwest and North Lake Sammamish interceptors, Maingate trunk, and the Lake Hills trunk.

A new interceptor connection identified as the "Redmond Connection" is planned to be built in 1987 at N.E. 124th to divert all Redmond wastewater to the Renton Treatment Plant.

Future expansion to the Bear Creek Community Plan area would require extension of an interceptor to the east as proposed in METRO's 1968 Plan. Extension of the interceptor should not occur until after adoption of the Bear Creek Community Plan in 1987, completion of the "Redmond Connection", and certification by appropriate agencies.

Because the King County Community Plan for Bear Creek is not yet complete, no service area designations or facility extensions are proposed outside the 1990 Interim Growth Boundary in the Sewer Facilities Plan. The Plan will be amended to be consistent with the Bear Creek Plan at some future date.

The Study identifies the following policy and service issues in the planning area:

- Pump stations are a costly alternative to gravity flow with high maintenance and operation costs. They are also subject to failure and overflows which may contaminate wells, streams and rivers. The Study recommends that the number of new pump stations be minimized, and that they be used only where it is not possible to provide service by gravity. Areas proposed to be served by gravity should not be served by pump stations as an interim measure.
- Although most City residents are served by sewers, there are some areas where septic tanks are the predominant method of service. The City has required hook-up for all significant new development but existing systems are not required to hook up unless there are septic tank failures. Because of the sensitivity of the groundwater resources supplying municipal water and lack of maintenance of many existing septic systems, the use of these systems should be severely limited, and maintenance programs established in the future.
- Needed capital improvements were identified in all drainage basins. A Capital Improvement Program should be implemented to provide adequate facilities for planned growth within the service area.
- The Lake Hills Trunk may not be adequate to carry peak flow if the area served is developed to saturated densities. A study should be made in cooperation with METRO to determine if a capacity problem exists.
- Premature construction of new sewer interceptors and trunk lines may not be cost effective and may encourage development before other services such as transportation, fire, police etc. are available. The City should continue to cooperate with other municipalities, sewer districts and the County to define service areas and phasing of facilities consistent with adopted land use policies. Extensions should not be made in natural resource areas or other areas reserved for very low density development.

- Financing of sewer facilities will be a greater problem in the future as grant funds continue to be eliminated. New financing alternatives must be considered, particularly greater private involvement in the financing of new facilities as growth occurs. The costs of improvements should be distributed to users in accordance with benefits received.

**COMMUNITY GOAL:**

Protect public health and safety by requiring installation of sanitary sewer systems for all significant development.

Policy: Require sanitary sewer systems for all subdivisions or short plats in areas with densities of one dwelling unit per acre or greater.

Policy: Limit septic tank development to areas with less than one dwelling unit per acre, provided soil conditions are suitable and groundwater will not be affected.

Policy: Require new development on properties with septic systems that have failed to hook up to sanitary sewer systems where sewer service is available within 500 feet, and allow exceptions only where topography and other conditions may create exceptional hardships.

Policy: Implement a regulatory program to upgrade and maintain existing septic systems.

**COMMUNITY GOAL:**

Provide for the development of sanitary sewer facilities only where consistent with community need and adopted policies.

Policy: Avoid extension of sewer facilities into agricultural lands, areas with severe development limitations, and other areas where very low density development is desirable.

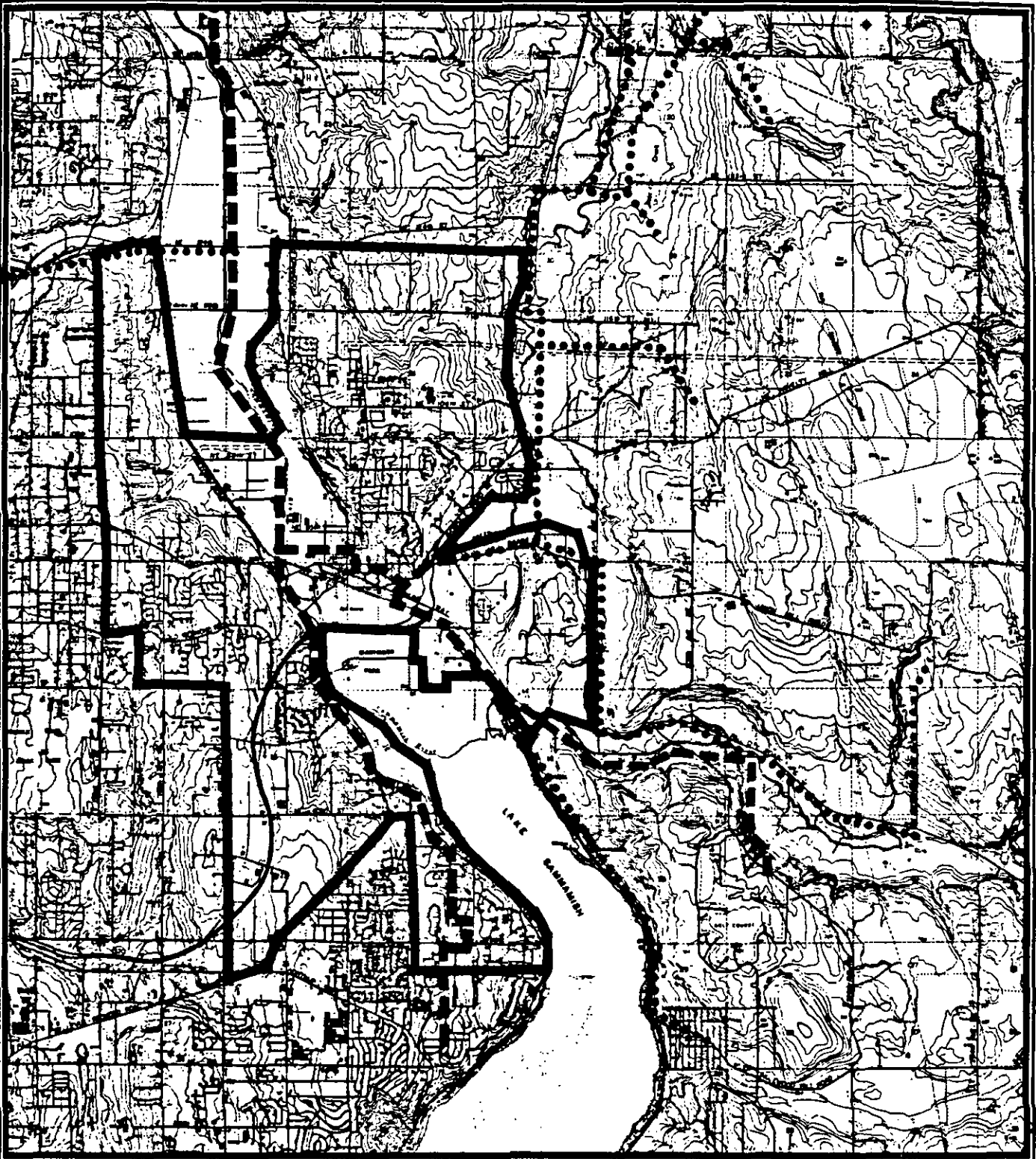
Policy: Phase development of new sewer facilities to assure that other municipal services are available and service is cost effective.

Policy: Identify future service areas and timing of improvements in cooperation with King County, other municipalities and sewer districts.




Policy: Implement a Capital Improvement Program which will meet short term needs identified in the Comprehensive Sanitary Sewer Study (February, 1987) by 1995.

Policy: Distribute the costs of new trunks and mains to users in accordance with benefits received.

Policy: Avoid the use of pump stations or other high maintenance alternatives wherever possible unless gravity systems are not feasible.



# SEWER FACILITIES PLAN

-  METRO Interceptor (Existing)
-  METRO Interceptor (Planned)
-  Local Service Area

Redmond



1987