

ORDINANCE NO. 6781

AN ORDINANCE authorizing the transfer of a sewer system from Sewerage and Drainage District No. 3 and 3.1 to King County.

PREAMBLE:

The Council of King County finds that the transfer of the sanitary sewer system operated by King County Sewerage and Drainage District No. 3 and 3.1 to King County pursuant to the attached agreement is in the public interest and is conducive to the public health, safety, welfare, and convenience.

BE IT ORDAINED BY THE COUNCIL OF KING COUNTY:

SECTION 1. The County Executive is hereby authorized to execute the attached agreement transferring the sanitary sewer system operated by King County Sewerage and Drainage District No. 3 and 3.1 to King County.

SECTION 2. The County Executive is also hereby authorized to petition the Superior Court for a decree approving and directing that said sanitary sewer system be transferred according to the terms and conditions of the attached agreement.

INTRODUCED AND READ for the first time this 30th day of April, 1984.

PASSED this 14th day of May, 1984.

KING COUNTY COUNCIL
KING COUNTY, WASHINGTON

Gary Grant
Chairman

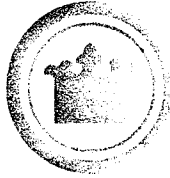
ATTEST:

Dorothy M. Owens
Clerk of the Council

APPROVED this 22nd day of May, 1984.

Randy Redden
King County Executive

6781



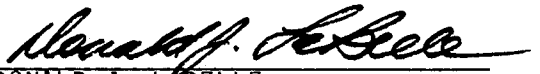
King County Executive
Randy Revelle
Department of Public Works
Donald J. LaBelle, *Director*


TO WHOM IT MAY CONCERN:

By Resolution No. 7635, dated March 4, 1940, the King County Commissioners appointed the County Road Engineer as Supervisor of King County Sewerage and Drainage District No. 3 and delegated to him the governing authority for the District, as provided in RCW 85.08.300. Since the time of that appointment and delegation, the general duties of the King County Road Engineer have been assigned, in part, to the Director of the King County Department of Public Works. These positions share the function of governing the District.

In our capacity as governing authority for the District, we have reviewed the proposed transfer and the terms and conditions of the transfer agreement which is attached. We find that this transfer and agreement are in the public interest and conducive to the public health, safety, welfare and convenience and hereby approve of its execution.

Dated this 12th day of April, 1984.


DONALD J. LABELLE
Director of Public Works


PAUL C. HOOPER, P.E.
County Road Engineer

AGREEMENT TRANSFERRING

SANITARY SEWER SYSTEM

THIS AGREEMENT is made and entered into by and between King County, hereinafter called the "County", and King County Sewerage and Drainage District No. 3 and Subdistrict No. 3.1, hereinafter called the "District." The purpose of the agreement is to transfer the sanitary sewer system operated by the District under RCW 85.08 to County operation under RCW 36.94. The agreement is based upon the following facts:

1. The County is a home-rule charter county under the laws of Washington. It is empowered to operate and accept transfer of sanitary sewer systems pursuant to RCW 36.94.

2. Supervision and management of the District was delegated to the county engineer by King County Resolution No. 7635, pursuant to RCW 85.08.300, which powers have devolved upon the Director of the County Department of Public Works and the County Road Engineer. This agreement is therefore executed on behalf of the District by both said Director of the County Department of Public Works and by said County Road Engineer.

3. The District is the owner of a certain sanitary sewer system located within King County. The location, size and other features of the system are specifically described in the February, 1984 Richmond Beach Comprehensive Plan; a copy of which is attached hereto as Addendum A and incorporated herein by this reference. The physical components of the system include sanitary

sewer lines, manholes, side sewers, lift stations and necessary appurtenances.

4. In addition to the physical components of the sanitary sewer system itself, the District owns certain maintenance and office equipment and supplies, described in Addendum B, which is attached hereto and incorporated herein by this reference.

5. The District is responsible for certain bonded indebtedness described more fully in Addendum C, which is attached hereto and incorporated herein by this reference.

6. The District owns certain easements of record which permit it to construct and maintain its facilities on private property.

7. The King County Council, in its Ordinance No. _____, has found that transfer to the County of the sewer facilities and other assets as well as the indebtedness of the District would be in the public interest and conducive to the public health, safety, welfare and convenience.

8. The District, by and through the Director of the County Department of Public Works and County Road Engineer, has also found, by letter dated _____, that such a transfer would be in the public interest and conducive to the public health, safety, welfare and convenience.

NOW THEREFORE, the parties hereto agree as follows:

A. All sanitary sewer lines, manholes, side sewers, lift stations, and necessary appurtenances owned by the District shall

hereby be transferred to and become the property of the County.

B. All maintenance and office equipment and supplies described above shall hereby be transferred to and become the property of the County.

C. All liabilities and indebtedness for which the District is responsible shall hereby be transferred to and assumed by the County.

D. All rights to easements owned by the District shall hereby be assigned and transferred to the County.

E. The County shall, upon such transfers, assume responsibility for providing the services, maintenance and operation and all other administrative and financial duties of the District.

F. The effective date of the above-described transfers shall be _____, 1984.

G. The District may be dissolved by decree of the Superior Court effective as of the date of the above-described transfers.

KING COUNTY

KING COUNTY SEWERAGE AND DRAINAGE DISTRICT NO. 3

By _____

By _____

Title _____

Director
Department of Public Works

Approved as to form:

By _____

Deputy Prosecuting Attorney

King County Road Engineer

SEWERAGE GENERAL PLAN
FOR
RICHMOND BEACH
KING COUNTY SEWER UTILITY
DEPARTMENT OF PUBLIC WORKS

FEBRUARY, 1984

ADDENDUM A

This general plan has been prepared to satisfy the requirements of K.C.C. 13.24 and RCW 36.94, prior to changing the operating authority of the district from the Diking and Drainage Act, RCW Title 85, to the County Services Act, RCW 36.94.

An environmental checklist has been circulated and a Declaration of Non-Significance prepared.

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Richmond Beach Sewerage and Drainage

District No. 3

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BACKGROUND

The Richmond Beach sewer system encompasses 350 acres located in the northwest corner of King County (see Figure 1). A portion of the system dates back to 1918 when an 8-inch sewer line was constructed from the Firlands Sanitorium to Puget Sound. In 1939 and 1940 the Richmond Beach sewer system and treatment plant were constructed and the Sewerage and Drainage District No. 3 was formed in 1941. A sub-district was formed and constructed in 1965.

The District is operated by the County under the authority of RCW 85.08, the Diking, Drainage, and Sewerage Improvement District Act.

The district is bounded on the north by Snohomish County, to the east and south by the Ronald Sewer District and Puget Sound to the west with the exception of the area west of 27th Avenue West known as Apple Tree Lane. The Seattle city limits are four miles south of the area.

No expansion of the present system boundary is anticipated.

SUB-BASIN IDENTIFICATION

The following sewer general plan is located within portions of two separate sub-basins designated as NPS-8 and NPS-9 (Boeing Creek subarea) in the comprehensive sewer plan entitled "Metropolitan Seattle Sewerage and Drainage Survey," dated May 19, 1958. N.P.S. indicates drainage into the North Puget Sound basin. The report was prepared by the firm of Brown and Caldwell and was

subsequently adopted by resolution by the Municipality of Metropolitan Seattle. Figure 2 identifies the drainage basins in the Richmond Beach Sewer System.

The service area of the system is within the local service area established by the King County Sewerage General Plan as adopted by County Ordinance No. 4035 on January 15, 1979.

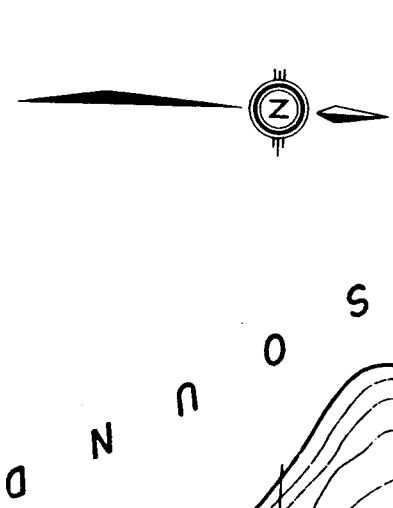
TOPOGRAPHY AND SOIL DESCRIPTION

Drainage in the district is generally westerly toward Puget Sound. Figure 2 indicates the topographic characteristics of the area. Soils in the area are generally Alderwood-gravelly-sandy-loam. Such soils are usually deemed unsuitable for long term use of septic tanks and leaching fields.

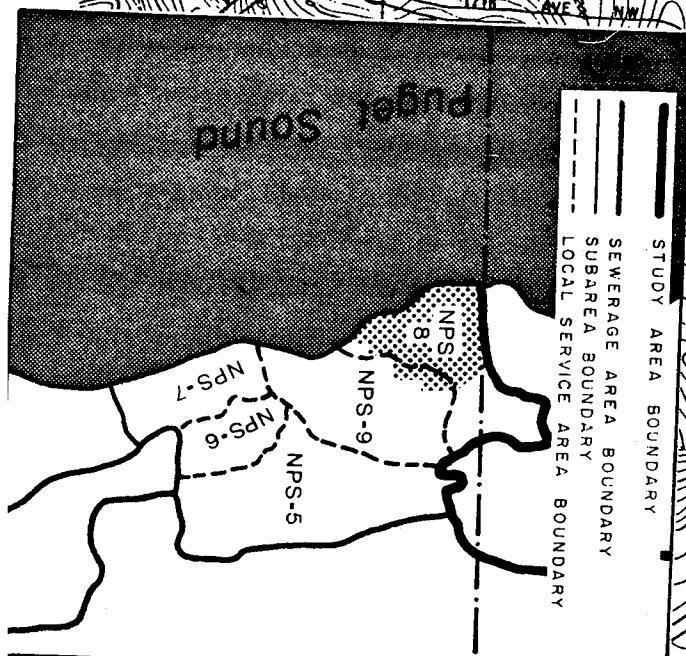
INTER-GOVERNMENTAL AGREEMENTS

A county-wide sewer agreement has been negotiated between King County and the Municipality of Metropolitan Seattle (METRO) providing for Metro treatment of effluent from County-operated sewer systems. An environmental assessment was prepared and circulated. The County-Metro agreement, which provides for Metro treatment of sanitary sewage collected by the County, has been executed and is in force.

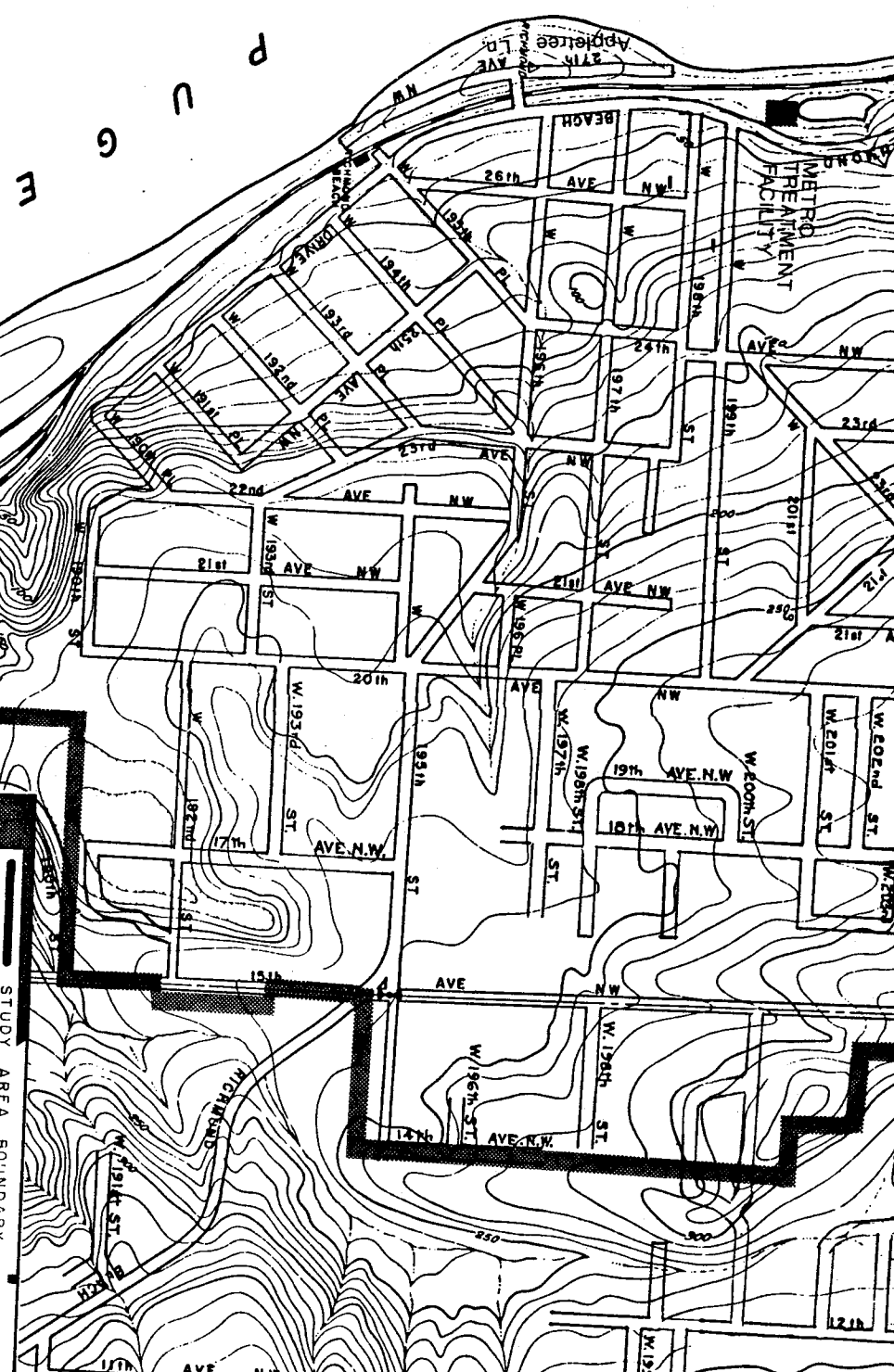
There is a contract between King County and the Ronald Sewer District regarding the Apple Tree Lane area. Apple Tree Lane has been annexed by Ronald Sewer District and formation of a Utility Local Improvement District for construction of a sewer system is in progress. The County-Ronald agreement provides for transfer of Apple Tree Lane to King County if the current attempt by King County to divest the County-operated systems is not successful.



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- STUDY AREA BOUNDARY
- SEWERAGE AREA BOUNDARY
- SUBAREA BOUNDARY
- LOCAL SERVICE AREA BOUNDARY



EXISTING COLLECTION SYSTEM

The existing collection system provides service to all but a small portion of the study area.

The collection system consists of approximately 70,000 feet of sanitary sewers excluding side sewers. Three lift stations are located in the study area to pump effluent from low lying areas. Figure 3 indicates the existing facilities.

As of January 1, 1984, the system served 1,010 connections with approximately 1130 dwelling units. Service is also provided to a Chevron Petroleum plant on Point Wells just north of the King-Snohomish County border.

All effluent from the collection system is transported to the Metro Richmond Beach treatment plant located at 20001 Richmond Beach Dr. N.W., which provides primary level treatment. The treated effluent is discharged into Puget Sound.

Ownership of Lift Station No. 24, located at 19425 Richmond Beach Dr. N.W. was transferred from Metro to King County in 1979.

The most recent addition to the collection system involved construction of an 8 inch line on 15th Ave. N.W. from N. W. 191st northward for 700 feet.

In 1975 and 1976 a County construction project removed all remaining storm water connections from the sanitary sewer system. Infiltration and inflow is not considered to be a major problem in the system.

All other facilities in the system are considered to be in good condition.

Based upon the Shoreline Comprehensive Plan zoning, the density of the district could increase to approximately 1750 dwelling units, which is within the capacity of the existing system. It is doubtful that this level of density will be realized. Most of the property within the district has already been developed with a much lower density.

LAND USE

Most of the land in the district is devoted to single family residential use, although some multiple dwellings and neighborhood businesses exist along N.W. 195th Street between 21st Avenue N.W. and 15th Avenue N.W.

The district is included in the Shoreline Community Plan, adopted August 25, 1980 by King County Council Ordinance No. 5080. The community plan maintains the residential nature of the area. Zoning classifications for the district are indicated in Figure 3.

Most of the district is zoned RS 7,200 (327 acres) for single family residential. Portions of the district are zoned RM 2,400 (19 acres) and RD 3,600 (.5 acre) for medium density multiple dwellings. Approximately 4 acres of the district is zoned BN for neighborhood businesses.

Currently sixty percent of the areas zoned for medium density multiple dwellings have been developed with approximately 125 condominium and apartment units.

Many homes on the western slope of the study area have a broad view of Puget Sound and the Olympic Mountains. Lot sizes are in the 7,000 to 10,000 square foot range, with some lots up to several acres. The houses vary in style, size, age and condition.

The County park (Richmond Beach Park) is located in the southern portion of the district. The Richmond Beach Elementary School, located on N.W. 197th Street between 21st and 23rd Avenues N.W., is now owned by the King County Park Department and is used as a community recreation center with a small portion for a private school. The Richmond Beach Library is located at 2402 N.W. 195th Place. The Melvin G. Syre Elementary School is located just east of the district at 19545 12th Avenue N.W.

POPULATION

The district includes the majority of Census Tract 201 and small portions of tracts 202 and 208 (see Figure 4). The Puget Sound Council of Governments (PSCOG) has prepared population projections for the region using area allocation model (AAM) districts (see Table 2). AAM District 6660 includes the study area and is comprised of census tracts 201 and 202. The district estimates are based on the proportionate population in the study area to the population in the AAM District.

Table 2
 RICHMOND BEACH
 POPULATION INFORMATION BY AAM DISTRICT

	<u>Population</u>		
	<u>1970</u>	<u>1980</u>	<u>1990</u>
Richmond Beach Sewer System		3,270	3,349
AAM District 660	8,321	8,229	8,429
City of Seattle	530,831	503,501	523,227
King County	1,156,633	1,207,756	1,367,440

Single Family/Multiple Family Units in AAM District

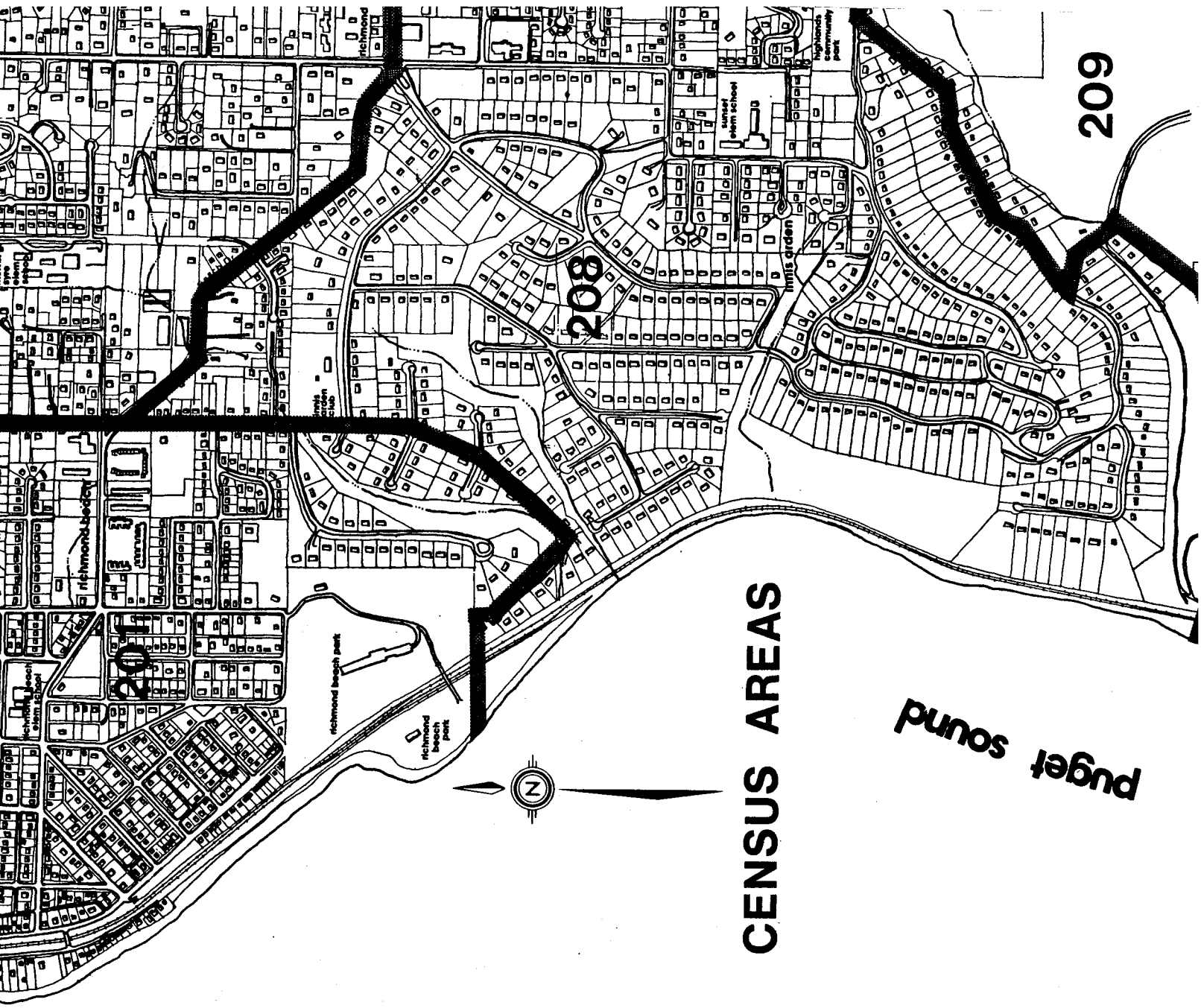
	<u>1980</u>	<u>1990</u>
Single Family Households	2,360	2,330
Multiple Family Households	505	785
Total	2,865	3,115

AAM Population By Age Groups

	<u>0-17</u>	<u>18-24</u>	<u>25-44</u>	<u>45-64</u>	<u>65+</u>
1980	2,179	731	2,391	2,016	912
1990	2,074	530	2,591	2,059	1,175

AAM Population by Household Size

	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6+</u>
1980	550	1,057	479	384	231	164
1990	720	1,190	496	351	211	147



209

208

201

CENSUS AREAS

Puget sound



RICHMOND BEACH

FACILITIES AND SERVICES

Schools	Shoreline School District (412)
Fire Protection	King County Fire Protection District No. 4
Police Protection	King County Precinct No. 2
Water Service	Seattle Water Department
Public Transportation	Metro Transit
Telephone Service	General Telephone
Recreation	Two King County Parks are located in the study area
Power	Seattle City Light
Gas	Washington Natural Gas

DESIGN STANDARDS

All extensions or additions to the sewer system must adhere to the County design and material standards.

Construction plans for extensions or additions to the sewer system must be approved by the County Department of Public Works.

Sewer Sizing

Sewers shall be designed with sufficient capacity to carry peak flows from the tributary area at ultimate development. The minimum diameter of gravity laterals shall be eight inches and side sewers, six inches. Four inch sewers to serve a single residence will be permitted from property lines to the house.

The ability of a sewer to transport suspended solids contained in sewage is related to the velocity of flow in the sewer. A velocity of two feet per second is generally considered to be the minimum which will keep pipe surfaces clean and free of deposited material.

Diameters of gravity sewers constructed of concrete are determined by means of Manning's pipe friction formula, using a roughness coefficient "n" of 0.0013 and considering the pipe to be flowing 0.8 full.

Table 3
MINIMUM SLOPES FOR SEWER PIPES

<u>Sewer Size</u>	<u>Minimum Slope Ft./Ft.</u>
4" & 6" (for house sewers and side sewers)	0.0200
8" (for main)	0.0040
8" (end run)	0.0050

The design of force mains is predicated on the basis that they flow full and under pressure. Again, as in the case of gravity sewers, the mains must be capable of carrying the peak flow from a given area.

Force main design shall be based on a minimum self-cleaning velocity of three feet per second. The roughness coefficient will depend on the pipe material selected.

Developer Extensions of the Sewer System

In accordance with policy developed for the King County sewer systems, developer extension agreements will be negotiated which will include the following requirements:

1. Plans and specifications shall be prepared by a licensed professional engineer.
2. Plans and specifications shall be approved by the Washington State Department of Ecology, the Municipality of Metropolitan Seattle (METRO) and King County.
3. Inspection and testing shall be by an engineer approved by King County.
4. An area charge shall be paid prior to connection.

5. Upon acceptance of the work, the facilities shall be deeded to King County.

FINANCES

Currently, district revenue is obtained by means of an annual maintenance assessment which is prepared and collected by the County Office of Finance. The King County Department of Public Works Utilities Section provides the Office of Finance with the necessary information required to prepare and send the maintenance assessments to the customers.

Additional revenue is also generated by permit fees and connection charges; however, as the district's growth is relatively stable, this is a small portion of the annual income.

The construction bonds for the sub-district mature in 1985. Although the amount outstanding on the bonds exceeds the assessments receivable, the district has sufficient reserves available to redeem the bonds when they mature.

Adoption of the Richmond Beach General Plan will allow the County to begin operating the system under the authority of RCW 36.94, the County Services Act.

The 1983 maintenance and operation budget for the Richmond Beach system was \$181,748.

INVENTORY -- RICHMOND BEACH

<u>K.C.</u> <u>TAG NO.</u>	<u>ITEM</u>	<u>COST</u>	<u>YEAR</u> <u>PURCHASED</u>	<u>APPROX.</u> <u>VALUE</u>
81657	Rodding Trailer	\$388.50	1970	\$800.00
81653	3" Diaphragm Pump	490.00	1973	200.00
87059	IBM Typewriter	886.10	1979	
	SN 6344482			

ADDENDUM B

LAW OFFICES

ROBERTS, SHEFELMAN, LAWRENCE, GAY & MOCH

(WETER, ROBERTS & SHEFELMAN)

1818 IBM BUILDING

SEATTLE, WASHINGTON 98101

TELEPHONE
MAP. 2-586
AREA CODE 206

F. M. ROBERTS
JAMES P. WETER (1877-1959)
HAROLD S. SHEFELMAN
VICTOR D. LAWRENCE
JAMES GAY
ROBERT G. MOCH
JAMES C. HARPER
GEORGE W. MACN
BRIAN L. COMSTOCK
TIMOTHY R. CLIFFORD
LARRY M. CARTER
KENNETH L. SCHUBERT, JR.

November 2, 1966

Wm. P. Harper & Son & Co.
Seattle, Washington

Southwick, Campbell, Waterman Co.
Seattle, Washington

Gentlemen:

We have examined a transcript of the record of proceedings had by King County, Washington, and other proceedings relating to the issuance by said County of \$282,528.15 of Sewerage and Drainage Improvement District No. 3 of King County, Subdistrict No. 1 Bonds and have also examined an executed bond of said issue.

These bonds were issued for the purpose of paying the cost and expense of constructing, extending and improving a sanitary sewage system in said Sewerage and Drainage Improvement District No. 3 of King County, Subdistrict No. 1, under the authority of an Act of the Legislature of the State of Washington entitled "An Act relating to the establishment of drainage improvements, providing for the construction, maintenance, extension, and protection of drainage systems, the method of apportioning, assessing and collecting funds, and paying for the construction and maintenance thereof," etc., approved March 24, 1913, and acts amendatory thereof, and Chapter 85.08 RCW and resolutions duly and regularly adopted by the Board of County Commissioners of said County.

These bonds consist of Bond No. 1 in the denomination of \$528.15 and bonds numbered 2 to 565, inclusive, in the denomination of \$500.00 each. The bonds are dated November 1, 1966, bear interest at the rate of 5% per annum, payable on July 1, 1967, and thereafter semiannually on January 1 and July 1 of each year out of the bond redemption fund of the district. The bonds are payable on or before the 1st day of January, 1985, and are subject to call in their serial order by the County Treasurer whenever, at any semiannual coupon date, there shall be sufficient money in the bond redemption fund of said Sewerage and Drainage Improvement District No. 3, Subdistrict No. 1, over and above that necessary for the payment of interest on all outstanding bonds, to pay the principal of one or more bonds at the next coupon date, provided, however, that the bonds cannot be called for payment at an earlier maturity than in accordance with the following schedule in which the percentages refer to a percentage of the total bond issue retirable during or at the end of the year indicated:

The first year	10%	The eighth year	5%
The second year	6%	The ninth year	10%
The third year	6%	The tenth year	10%
The fourth year	6%	The eleventh year	10%
The fifth year	6%	The twelfth year	10%
The sixth year	6%	The thirteenth year	10%
The seventh year	5%		

ADDENDUM

Wm. P. Harper & Son & Co.
Southwick, Campbell, Waterman Co.
Page two

It is our opinion that said bonds were issued in full compliance with the provisions of the constitution and the laws of the State of Washington and the resolutions of the Board of County Commissioners of King County, Washington, relating thereto and constitute a valid obligation of Sewerage and Drainage Improvement District No. 3, Subdistrict No. 1, secured to be paid by assessments upon the property in Sewerage and Drainage Improvement District No. 3, Subdistrict No. 1.

In our opinion, under existing federal law and rulings, the interest on the bonds is exempt from federal income taxes.

Respectfully submitted,

Roberts, Shefelman, Lawrence, Gay & Mott



King County Executive
Randy Revelle
Department of Public Works
Donald J. LaBelle, *Director*
March 19, 1984

S & D #3 Sub 1 Indebtedness

Outstanding Construction Bonds

Principal	\$99,000.	due 1/1/85
Interest	2,475.	due 7/1/84
Interest	2,475.	due 1/1/85
Total	<u>\$103,950.</u>	