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ORIGINAL

CITY OF BELLEVUE, WASHINGTON

ORDINANCE NO. 2285

AN ORDINANCE relating to the Sewer System Code;  
and amending Ordinance No. 978, and Bellevue  
City Code, Chapter 23.64

THE CITY COUNCIL OF THE CITY OF BELLEVUE, WASHINGTON, DOES ORDAIN AS  
FOLLOWS:

Section 1. Section A of Ordinance 978 and Bellevue City Code,  
Section 23.64.020 are hereby amended to read as follows:

23.64.020 Responsibility for Repairs and Maintenance.

The limit of the City's responsibility shall be maintenance  
of the public sewer. Side sewers shall be maintained by  
the property owners served. When the City is required to  
maintain a side sewer in order to protect the operation of  
the public sewer, the cost for such maintenance may be  
charged to the concerned property owner.

Section 2. Section A of Ordinance 978 and Bellevue City Code,  
section 23.64.040 are hereby amended to read as follows:

23.64.040 Connections to cesspools, septic tanks, plumb-  
ing fixtures and traps.

- (a) Whenever sanitary sewer service is available to a  
structure, direct connection from the plumbing  
fixtures in the structure to the public or private  
sewer is required. Such connection must be made  
within 120 days of the date such service becomes  
available. Property owners who fail to so connect  
shall be obligated to pay a charge equal to the  
charge that would be made for sewer service if  
the property was so connected.
- (b) Any connection to a cesspool or septic tank will  
be removed and proper connection directly made to  
the new side sewer.
- (c) A City approved grit and oil trap located in the  
side sewer line shall be required for vehicle  
washing facilities.

Section 3. A new section is hereby added to the Bellevue City Code,  
to constitute section 23.64.045 thereof, and to read as follows:

23.64.045 Preliminary Treatment. Preliminary treatment may be required by the city if the biochemical oxygen demand of the sewage, industrial waste or waste water exceeds 250 parts per million by weight. Such preliminary facilities shall be constructed, operated and maintained by the owner at the owner's expense.

Section 4. Section A of Ordinance 978 and Bellevue City Code, section 23.64.060 are hereby amended to read as follows:

23.64.060 New Permit Not Required for Additional Work. When a permit has been previously issued for a private or side sewer as herein provided, no additional permit shall be required for additions or repairs. When an existing structure is removed and new structure is constructed, a new permit is required, and any existing side sewer that does not meet the current existing Code shall be replaced. No work shall be done without approval by and inspection of the City as herein required.

Section 5. Section A of Ordinance 978 and Bellevue City Code, section 23.64.070 are hereby amended to read as follows:

23.64.070 Application for Permit in Advance. Before any work is started for construction of a side sewer either on private property or within public rights-of-way, application must be made for a side sewer permit and the permit issued by the City. Where a street opening permit is required such a permit must be obtained prior to issuance of a side sewer permit by the City. Applications for side sewer permits must be submitted at least 24 hours in advance to allow time for processing. All such permits expire 12 months after issuance.

Section 6. Section A of Ordinance 978 and Bellevue City Code, section 23.64.080 are hereby amended to read as follows:

23.64.080 Who Applies for Permit. Applications for a side sewer permit will be made personally by the owner of the property to be served, a licensed side sewer contractor or owner's authorized agent.

Section 7. Section A of Ordinance 978 and Bellevue City Code, section 23.64.100 are hereby amended to read as follows:

23.64.100 Permit Fees. A side sewer permit will be required for each individual structure. The fee for a side sewer permit for a residential structure shall

be twenty dollars. Fees for permits other than for residential structures shall be fifty dollars for a single structure. In a multiple complex the fee for the first structure shall be fifty dollars and for each additional structure shall be twenty-five dollars.

Section 8. Section A of Ordinance 978 and Bellevue City Code, section 23.64.110 are hereby amended to read as follows:

23.64.110 Work On Private Property. A permit which includes side sewer work on private property shall be issued only to the owner of the property, to his authorized agent, or to his licensed side sewer contractor. When a side sewer is to be installed across the private property of another person's property, the applicant for the side sewer permit must first show proof that a duly executed easement has been obtained from such other property owner and recorded with the Department of Records and Elections of King County.

The owner is the only person authorized to install and repair side sewers on private property other than a licensed side sewer contractor.

Section 9. Section A of Ordinance 978 and Bellevue City Code, section 23.64.130 are hereby amended to read as follows:

23.64.130 Unauthorized Work. No work shall be started on any private or side sewer without a permit. No licensed side sewer contractor shall do any side sewer work under any other person's permit nor shall any unauthorized person do any side sewer work under a licensed side sewer contractor's permit, except as may be otherwise authorized by the City.

Section 10. Section A of Ordinance 978, and Bellevue City Code, section 23.64.150 are hereby amended to read as follows:

23.64.150 Posting Permit. The contractor's side sewer permit copy and preliminary side sewer plat shall be available on the job and must be readily accessible to the inspector of the City. No inspection will be made unless such permit and plat is readily available on the job site.

Section 11. Section A of Ordinance 978 and Bellevue City Code, section 23.64.160 are hereby amended to read as follows:

23.64.160 Other Permits Required. The issuance of a side sewer permit by the City shall not relieve the permit holder from the responsibility of obtaining such other permits or licenses as may be required by the City, the county, or other cities or towns in whose jurisdiction the side sewer is installed. Permit holders shall contact other utilities for location of their facilities before starting excavation.

Section 12. A new section is hereby added to the Bellevue City Code to constitute section 23.64.165 thereof, and to read as follows:

23.64.165 Responsibility of Side Sewer Contractor. The licensed side sewer contractor shall be responsible for any and all actions or omissions of his employees.

Section 13. Section A of Ordinance 978 and Bellevue City Code, section 23.64.180 are hereby amended to read as follows:

23.64.180 Completion of Work in a Public Way. All work within the limits of any public way shall be prosecuted to completion with due diligence and in compliance with the ordinances and regulations of the City, or of the county or other city or town where applicable. If any excavation is left open beyond a reasonable length of time, the City may cause the excavation to be backfilled and the public way restored. Any cost incurred in such work shall be charged to the owner or side sewer contractor in charge of such work, and shall be payable immediately to the City upon written notification of the amount thereof given to the contractor or posted at the location of the work.

Section 14. Section A of Ordinance 978 and Bellevue City Code, section 23.64.190 are hereby amended to read as follows:

23.64.190 Side Sewer Contractor's License -- Qualifications. An applicant for a side sewer contractor's license must present a current City of Seattle side sewer contractor's license or have previously been licensed by the City of Bellevue, or shall have passed an oral and written examination administered by the City in order to qualify for a license. If a city license has expired, a new examination may be required by the City.

An applicant must certify that he or she has read and that he or she understands the contents of this Ordinance before a license will be issued to him or her by the City.

A side sewer contractor's license may be suspended or revoked by the Director for cause.

Section 15. Section A of Ordinance 978 and Bellevue City Code, section 23.64.200 are hereby amended to read as follows:

23.64.200 Bonding and Insurance. An applicant for a side sewer contractor's license shall have posted a bond in the amount of two thousand and five hundred dollars (\$2500.00) for the benefit of the City, and other towns, cities, or counties served by the Utilities Department and further shall have filed evidence of public liability insurance in the amount not less than fifty thousand dollars (\$50,000.00) each person, one hundred thousand dollars (\$100,000.00) each accident bodily injury and twenty-five thousand dollars (\$25,000.00) property damage with the City, with provision that such insurance shall not be cancelled without at least thirty days written notice in advance to the City.

The applicant must also possess a Washington State Contractor's License, and a City of Bellevue Business and Occupation License.

Section 16. Section A of Ordinance 978 and Bellevue City Code, section 23.64.320 is hereby amended to read as follows:

23.64.320 Joint Side Sewer Cleanout. A maximum of four residential structures may be connected to a single side sewer. Where three or four residential structures are connected to the same side sewer, a 6-inch cleanout extending to within eighteen inches of the ground surface will be required at the wye where the upper connection is made. The City may require a 36" manhole at the upper terminus of such lines on both residential and commercial tracts in lieu of cleanouts.

Section 17. Section A of Ordinance 978 and Bellevue City Code, section 23.64.330 are hereby amended to read as follows:

23.64.330 Minimum Surface Cover for Pipe.

- (a) Minimum cover for side sewers on private property shall be 18 inches except as hereafter provided.
- (b) Minimum cover for side sewers at property line shall be 6 feet below the crest of the public way at said property line.
- (c) Minimum cover for side sewers crossing a ditch in the public way except as otherwise provided herein, shall be 2 feet 6 inches.

- (d) Cast iron or ductile iron pipe may be required by the Director in special cases.

Section 18. Section A of Ordinance 978 and Bellevue City Code, section 23.64.340 are hereby amended to read as follows:

23.64.340 Single Residence Connection. Except as otherwise provided herein under 23.64.350 all side sewers serving a single residential structure shall be a minimum of 4 inches in diameter to the property line and then 6 inches to the public sewer. All side sewers serving structures other than single residential structures shall be a minimum of six inches in diameter.

Section 19. Section A of Ordinance 978 and Bellevue City Code, section 23.64.350 are hereby amended to read as follows:

23.64.350 Lake Front Connections. Side sewers connected to sewer lines which are on the lake front will be 6 inch cast iron to the mean high water level or to a point behind concrete bulk head. At such a point, a transition to 6 inch cement asbestos class 2400 which will continue to a point two feet above the hydraulic gradient at which point a 6 inch inspection wye shall be installed. The remainder of the installation will be standard or as specified herein for normal conditions. See Section 23.64.380. Exception to acceptable pipe see 23.64.390, items 2, 3, 6. No other types will be accepted.

Section 20. Section A of Ordinance 978 and Bellevue City Code, section 23.64.370 are hereby amended to read as follows:

23.64.370 Water Line Crossings - Catch Basins and Gap Drains.

- (a) Parallel water and sewer lines wherever possible shall be laid at least ten feet apart horizontally. Where it is necessary for sewer and water lines to cross each other, the crossing shall be made at an angle of approximately 90 degrees and the sewer shall be located three feet or more below the water line if possible. Where side sewers must cross over water mains, the side sewer shall be constructed of cast iron for a distance of at least five feet from the center of the water main.
- (b) No other underground facilities shall be installed closer than 4 feet horizontally to the side sewer line as installed.

- (c) A suitable catch basin may be required to be installed for waste other than domestic in some cases. A design for such catch basin, sand trap, grease filter, etc., shall be submitted together with an application for approval and must meet requirements of the City Building Codes.
- (d) Where back flush of sand filters of swim pools are required to be disposed of in the sanitary sewer, a gap drain will be required. Diatomaceous earth filter back wash is not allowed to be disposed of in the sanitary sewer.

Section 21. Section A of Ordinance 978 and Bellevue City Code, section 23.64.380 are hereby amended to read as follows:

23.64.380 Pipe Materials and Pipe Joints. Pipes acceptable for standard side sewers are as follows:

- (1) Cast Iron Soil Pipe - Federal WW-P-401.
- (2) Cast Iron - Federal WW-P-421 Cement Lined Class 150.
- (3) Cement - Asbestos Building Sewer Pipe - Johns Manville or equal.
- (4) Vitrified Clay Pipe - ASTM C-14.
- (5) Concrete Pipe - ASTM C-14.
- (6) Acrylonitrile-Butadiene (Plastic) (ABS) or Polyvinyl Chloride (PVC) Schedule 40 required.

Caulked joints for cast iron pipe shall be firmly packed with oakum or hemp and filled with molten lead to a depth of not less than one inch extending to not more than 1/8 inch below the rim of the hub. All other pipe joints shall be mechanical compression type, factory made flexible gaskets as designed for the pipe being used or solvent cement for acrylonitrile-butadiene or polyvinyl chloride pipe. Installation shall be in accordance with the instructions furnished by the pipe manufacturer and as approved by the City.

Section 22. Section A of Ordinance 978 and Bellevue City Code, section 23.64.390 are hereby repealed and the following substituted therefor:

23.64.390 Fittings. All changes of direction shall be made with bends, wye branches or a combination of wye branch and bends. All changes of direction 45° or more will be made with a wye branch and bends as required. Where wye branches are used, the straight through opening shall be plugged for use as a cleanout. Two bends may be allowed between cleanouts provided the distance between cleanouts does not exceed 20 feet.

A cleanout shall be required between 30 inches and 36 inches of all buildings unless permission to omit or change the location of such cleanout has been received from the City. Cleanouts, including those for commercial properties, shall be installed at locations designated by the City but in no case shall distance between cleanouts exceed 100 feet. On long runs of pipe 36 inch special manholes may be installed in lieu of cleanouts. Not more than 300 feet between special manholes will be allowed. Suitable frames and covers of a type designated by the City shall be used for all cleanouts on commercial property in paved areas and such frames shall be cast in a concrete block 30 inches by 30 inches by 8 inches flush with final paving. All cleanouts not in paved areas shall extend to within 18 inches of ground surface. All cleanouts shall be plugged with plugs, using the standard compression joint of the pipe being used, to prevent entry of dirt, root, or ground water and must be secured against back pressure. A test tee shall be provided at the point of connection to the sewer main and at any other required point or points in order to insure that all portions of the side sewer or private sewer can be tested. It shall be the responsibility of the side sewer contractor to install all risers, cleanouts, castings, concrete blocks, etc., required before the side sewer or private sewer will be accepted by the City.

Section 23. Section A of Ordinance 978 and Bellevue City Code, section 23.64.400 are hereby amended to read as follows:

23.64.400 Laying of Pipe. All sewers shall be laid true to grade with the bell up grade. Pipe shall be cradled in the prepared trench bottom. Pipe shall be carefully centered prior to jointing. The bottom of the trench shall be smooth and free from large rocks which may injure the side sewer pipe. When unsuitable bedding is found, as determined by the City Inspector, the side sewer contractor shall over-excavate and prepare a bedding of sand or gravel a minimum of four inches deep. Gravel shall be three-quarter inch maximum size. Backfilling of trenches shall be carefully performed by hand to a depth of 6 inches above the pipe to avoid damaging the pipe. All backfill between the public or private sewer and property line shall be water settled or compacted in a manner approved by the City Inspector unless otherwise required by the county, city or town having jurisdiction over the public way. A minimum of four inches of bedding gravel shall be installed for all pipe installed in the public way or traveled areas in commercial properties.



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All plastic pipe installations shall be bedded to conform to manufacturer's specifications.

The City shall reserve the right to designate the type of pipe required in areas where soil conditions dictate other than the normal sewer installation. Said designation shall be determined by the Manager or his authorized representative.

Section 24. Section A of Ordinance 978 and Bellevue City Code, section 23.64.410 are hereby amended to read as follows:

23.64.410 Connections to Public Sewer. Where a wye or tee is not available, a saddle tee shall be used for all connections to the public sewer except in instances where the City determines that connections by grafting is indicated. The City will cut all holes in 8 inch, 10 inch and 12 inch pipe except cast iron, at the expense of the owner. The pipe cut-in shall be carefully made and all broken pieces removed. If the pipe becomes cracked during the cut-in the damaged section shall be replaced with a wye branch or tee. If grafting is authorized, the grafting tee shall be a stub not longer than eight inches overall and shall not be inserted in the public sewer beyond the inside face of the pipe. A liberal collar of mortar and a concrete encasement shall be placed around the joint. Extra care shall be taken in backfilling and around and over the joint to prevent breaking. A City Inspector must be present during the grafting. If the type of wye or tee provided in the public sewer does not match the proposed side sewer pipe joint detail, a short transition piece shall be jointed to the wye branch or tee by means of a gasket of the type used in the public sewer where possible. If this gasket type is not available, careful caulking with an approved caulking material made especially for that purpose may be used. The balance of the side sewer shall then be constructed with compression type flexible gaskets up to the point of connection with the house plumbing. Connection to the house soil pipe shall be made by means of a flexible clamp type coupling or other approved method.

All tee connections must be clean and visible during inspection. The first length of pipe installed at the tee shall not be more than 2 feet long.

Section 25. Section A of Ordinance 978 and Bellevue City Code, section 23.64.420 is hereby amended to read as follows:

23.64.420 Impossibility of Gravity Flow. In any structure in which the plumbing drain is too low to permit gravity flow to the public or private sewer, the sewage shall be lifted by artificial means and discharged into the public or private sewer. When only the lower floor of a structure is too low for gravity flow, the remaining floors must flow by gravity.

In any structure where the plumbing drain is below the hydraulic gradient of a lake line, a back water valve, a holding tank and a relief line may be required.

Wherever a situation exists involving an unusual danger of backup, a backwater valve is required.

The effective operation of the backwater sewage valve shall be the responsibility of the owner of the side sewer. Before any installation of this nature is made, the owner will be required to comply with provisions of 23.64.230 concerning the agreement to save the City harmless from damage or injury. All pump installations must meet all building and plumbing codes, and must have approval before installation.

Section 26. Section A of Ordinance 978 and Bellevue City Code, section 23.64.430 are hereby amended to read as follows:

23.64.430 Call for Inspection. Arrangements for inspection of a side sewer installation shall be made with the City by the side sewer contractor as set forth in notices which will be distributed from time to time. The City reserves the right to set the time for inspections.

An extra charge shall be made by the City for each visit to any person who requests any inspection after 4:30 P.M. on a work day, or on a weekend or holiday. Said charge shall be based on the actual labor costs and expense incurred by the City in performing such inspection.

Section 27. Section A of Ordinance 978 and Bellevue City Code, section 23.64.440 are hereby amended to read as follows:

23.64.440 Testing of Final Installation. Side sewers and/or private sewers shall be tested for their entire length from the public sewer by testing for visible leakage before backfilling by inserting a removable plumber's plug at the lower end of the line and filling the line with water to its highest point. The contractor shall make this test before calling for inspection so that the Inspector can observe and approve the installation in one visit. The side sewer contractor or his job foreman must be present at the job during the inspections.

Testing apparatus and water shall be furnished by the side sewer contractor. Visible leakage shall be corrected and the line shall be retested. All side sewer trenches must be maintained in a safe condition for the Inspector to enter.

Air test will be made by time pressure drop method.

Section 28. Section A of Ordinance 978 and Bellevue City Code, section 23.64.450 are hereby amended to read as follows:

23.64.450 Rate of Leakage. The rate of leakage in the side sewer shall not exceed the following amounts per 100 feet of pipe when measured by exfiltration:

4"	1.6 gal/hr.
6"	2.4 gal/hr.

(The above is based on a minimum head of 6.0 feet.)

Air testing will be allowed, and the pressure lost shall not be greater than the industry standard.

Section 29. Section A of Ordinance 978 and Bellevue City Code, section 23.64.460 are hereby amended to read as follows:

23.64.460 Restoration of Thoroughfares and Rights-of-Way. It shall be the responsibility of the licensed side sewer contractor to cut the road surface, dig a trench, lay the pipe, make the connection to the wye or tee, backfill the trench and restore the roadway surfacing within the limits of any thoroughfare or right-of-way, public or private. Such work shall be conducted in strict accordance with the rules and regulations of the City, or the county or other city or town within whose jurisdiction said thoroughfare or right-of-way is located.

Section 30. Section A of Ordinance 978 and Bellevue City Code, section 23.64.470 are hereby amended to read as follows:

23.64.470 Safety Equipment. The side sewer contractor before beginning excavation in a public area shall have at the site sufficient barricades to properly protect the work. The barricades shall be illuminated during the nighttime hours with a minimum of four (4) flares or flashing signals. During the pipe laying operation, a ditch pump shall be available at the site. The Contractor shall have stockpiled within the City of Bellevue Utilities Department and immediately available for use, sufficient shoring to adequately protect workmen where unstable ground conditions are encountered. In addition to the foregoing provisions, the side sewer contractor

shall comply with all laws, ordinances, and regulations of the State, County, City, or other city or town in which the work is one relating to the safety and protection of the area affected. A flagman must be posted wherever work is underway in a public way.

Section 31. A new section is hereby added to the Bellevue City Code, to be designated section 23.64.515 and to read as follows:

23.64.515 Catch Basins and Grease Traps. It shall be the responsibility of the property owner or his agent to maintain catch basins in a proper manner to prevent unauthorized waste or other unacceptable material from entering the sanitary or storm sewer.

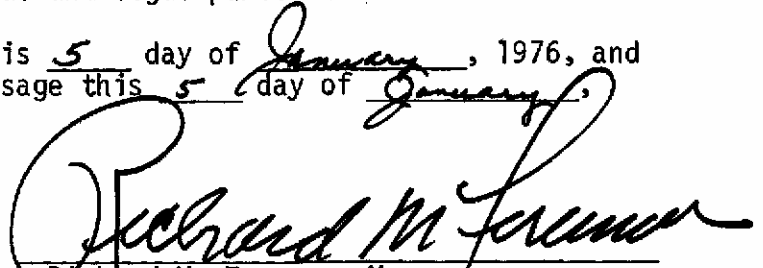
Section 32. Section A of Ordinance 978 and Bellevue City Code, section 23.64.520 are hereby amended to read as follows:

23.64.520 Entry on Private Property. The Manager or his representatives, bearing proper credentials and identification, shall be permitted to enter upon all and any premises at all reasonable times for the purpose of inspection, observation, measuring, sampling, testing of sewers, sewage waste and performing all other acts or duties required of him in accordance with the provisions of this chapter.

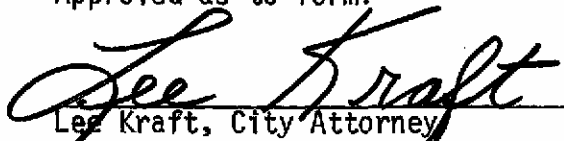
Section 33. This ordinance shall take effect and be in force thirty (30) days after its passage, approval and legal publication.

PASSED by the City Council this 5 day of January, 1976, and signed in authentication of its passage this 5 day of January, 1976.


(SEAL)

  
Richard M. Foreman, Mayor

Approved as to form:

  
Lee Kraft, City Attorney

Attest:

  
Patricia K. Weber, City Clerk

Published January 22, 1976