

SOUTHWEST SUBURBAN SEWER DISTRICT
KING COUNTY, WASHINGTON

RESOLUTION NO. 2006-18

**A RESOLUTION OF THE BOARD OF COMMISSIONERS OF
SOUTHWEST SUBURBAN SEWER DISTRICT, KING COUNTY,
WASHINGTON, APPROVING SIDE SEWER REGULATIONS.**

WHEREAS, Chapter 57.08 RCW authorizes the Southwest Suburban Sewer District ("District") to maintain and operate a system of sewers for the purpose of furnishing sewer service to the District's inhabitants with full authority to regulate the use and operation thereof; and

WHEREAS, the District Board of Commissioners has previously approved and adopted side sewer regulations to regulate and authorize the installation of privately owned side sewers and to connect to the sewer system owned and operated by the District; and

WHEREAS, District staff have revised, updated and amended the District's side sewer regulations ("Side Sewer Regulations") and have recommended that the District Board of Commissioners approve and adopt the Side Sewer Regulations for use by the District; now, therefore,

BE IT RESOLVED by the Board of Commissioners of the Southwest Suburban Sewer District of King County, Washington as follows:

1. The Side Sewer Regulations in the form attached hereto as **Exhibit A** and incorporated herein by this reference are hereby approved and adopted for use in the District effective the date set forth below.

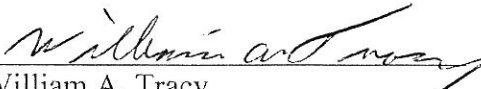
2. All District resolutions, policies and procedures are hereby superseded, rescinded and modified to be in accordance with the policies, terms and conditions set forth in the Side Sewer Regulations.

ADOPTED by the Board of Commissioners of the Southwest Suburban Sewer District, King County, Washington, at a regular meeting thereof held on this 2nd day of May, 2006.

SOUTHWEST SUBURBAN SEWER DISTRICT
KING COUNTY, WASHINGTON

Individual Commissioners
Vote on Resolution

In Favor of: _____
Opposed: _____
Abstained: _____



William A. Tracy
President and Commissioner

In Favor of: _____
Opposed: _____
Abstained: _____



Tony Genzale
Vice-President and Commissioner

In Favor of: _____
Opposed: _____
Abstained: _____



Scott Hilsen
Secretary and Commissioner

CERTIFICATE

I, Scott Hilsen, Secretary of the Board of Commissioners of Southwest Suburban Sewer District, King County, Washington, do hereby certify that the foregoing is a true and correct copy of Resolution 2006-18 of said Board, duly adopted at a regular meeting thereof held the 2nd day of May, 2006, signed by the members of such Board in attendance at such meeting and attested by myself in authentication of such adoption.



Scott Hilsen
Secretary of the Board of Commissioners
Southwest Suburban Sewer District

SOUTHWEST SUBURBAN SEWER DISTRICT

SIDE SEWER REGULATIONS

April, 2006

1. **EFFECTIVE DATE OF SIDE SEWER REGULATIONS.** The following are the Southwest Suburban Sewer District's Side Sewer Regulations ("Regulations") regulating the use of public and private sewers and drains, private sewage disposal, the installation and connection of sewers to buildings and the discharge of private water and wastes into the District's sewer system. These Regulations shall take effect upon adoption by the District Board of Commissioners. All District resolutions, policies and procedures previously adopted by the District are hereby superseded, rescinded and modified to be in accordance with the policies, terms and conditions set forth in these Side Sewer Regulations.

2. **DEFINITIONS.** Unless specified to the contrary, words used in these Side Sewer Regulations shall be defined as set forth herein. Terms not specifically defined below shall be defined as set forth in the publication Glossary Water and Wastewater Control Engineering, published by the American Public Health Association, American Society of Civil Engineering, American Water Works Association and Water Pollution Control Federation, latest edition with latest revision.
 - 2.01 Agency A city, town, county or state, or a unit of a public entity.
 - 2.02 APWA specifications Standard specifications for Municipal Public Works Construction prepared by the Washington State Chapter, American Public Works Association, latest edition latest revision.
 - 2.03 A.S.T.M. American Society for Testing Materials.
 - 2.04 Board Board of Commissioners of Southwest Suburban Sewer District.
 - 2.05 B.O.D. Denoting biochemical oxygen demand. The quantity of oxygen utilized in the biochemical oxidation of organic matter under standard laboratory procedure in five (5) days at 200 degrees C., expressed in milligrams per liter.
 - 2.06 Capping permit The permit required for the disconnection of service prior to the cessation of sewer service.
 - 2.07 Commercial service All sanitary sewer service other than residential including government and industrial.
 - 2.08 Connection charge A general facility charge or local facility charge which is required to be paid as a condition of connecting to the District's sewer system. Connection charges shall be determined and paid in accordance with the applicable District resolution(s) in effect at the time of connection.

2.09	Coring	The District's only approved method of tapping into an existing sewer line or into a manhole.
2.10	County	King County, Washington.
2.11	Cover	The depth of material lying between the top sewer line and the finish of the grade immediately above it.
2.12	District	Southwest Suburban Sewer District.
2.13	District's sewer system	All mainlines, collection lines, interceptors and appurtenances, pumps, treatment plants, and structures used for the purpose of collecting sewage, from its source, treating it, and conveying the sludge or waste to the final point of disposal, consisting of all wastes of any nature permitted by these Regulations to enter said system.
2.14	Domestic service	Service to residential users, whether a single-family residence or multiple residential dwelling.
2.15	Downspout	A pipe that conducts water from the roof of a building or structure.
2.16	FOG	Fats, Oils and Grease as defined in District Resolution No. 2004-29.
2.17	Garbage	Putrescible waste from the preparation, cooking or dispensing of food, and from the handling, storage, or sale of produce.
2.18	Inside connection	A side sewer constructed on private property connected from the plumbing outlet to the stub sewer.
2.19	Multiple dwelling	A multiple residential dwelling, namely a building or structure designed to house two or more living units, such as a duplex, triplex, fourplex, or other, or apartment house, and shall also include trailer or mobile home parks. Each trailer, mobile home, or stall shall be deemed a separate unit.
2.20	Natural outlet	An outlet into a water course, pond, ditch or lake.
2.21	Other structure	A building other than a single family or multiple residential dwelling.

- 2.22 Outside connection A sewer constructed in a public right-of-way and where the agency who has jurisdiction of such right-of-way requires a permit fee or other charge.
- 2.23 Person An individual, company, partnership, corporation, association, society or group. The singular term shall include plural usage.
- 2.24 pH The logarithm of the reciprocal of the weight of hydrogen ions in grams per liter of solution.
- 2.25 Plumbing That part of the lowest horizontal piping of a drainage outlet system that receives the discharge from waste pipes inside the walls of a residence, building or structure and conveys it to the side sewer connected to the District's sewer system.
- 2.26 Properly shredded Garbage that has been shredded to such degree that all particles will be carried freely under the flow conditions normally prevailing in sewers, with no particle greater than one-half inch in any dimension.
- 2.27 Public sewer The District's sewer system, including but not limited to its trunks, laterals, stubs, collection lines and force mains connected to the District's sewer system, including its treatment plants and outfall lines.
- 2.28 Pump systems A combined pressure side sewer and pump unit necessary to serve a structure that cannot be served by gravity into the District's system.
- 2.29 Registered side sewer contractor A person or entity qualified to construct or repair sewers under a permit issued by the District and who is registered with the District pursuant to Section 6 of these Regulations.
- 2.30 Right of way Any state, county, or city property designated for use as public access or right of way (ROW).
- 2.31 Sanitary sewer A sewer that carries sewage.
- 2.32 Sewage A comprehensive term including human waste and sanitary wastewater accepted from residential, commercial and government units.
- 2.33 Shall; may The word "shall" is mandatory; "may" is permissive.

- 2.34 Side sewer A sewer line leading from a plumbing outlet or other facility to the stub sewer or the District's sewer system.
- 2.35 Single family dwelling A structure designed and/or used for a single family unit.
- 2.36 Storm drain A public or private drain that carries storm or surface waters or drainage effluent from storm outlets.
- 2.37 Structure Anything constructed or erected that is attached to the ground, which shall include but not be limited to trailers, mobile homes, and house trailers, but shall not include fences or walls.
- 2.38 Stub sewer A sewer constructed from the lateral or trunk line to the property line or edge of a perpetual easement to the property being provided sewer service.
- 2.39 Suspended solids Solids that either float on the surface or are in suspension in water, wastewater, or other liquids, and which are largely removable by laboratory filtering.
- 2.40 U.L.I.D. Utility Local Improvement District.
- 2.41 Unpolluted Water in its natural state, or water which after use for any purpose is not substantially changed as to chemical or biochemical qualities.

3. **CONNECTION TO THE DISTRICT'S SEWER SYSTEM.**

3.01 **Connection of Plumbing Outlets.** All plumbing outlets from any building or structure hereafter constructed shall be connected to a public sewer of the District before any occupancy or use thereof is allowed. Said connection shall be at the owner's expense and at the point designated by the District.

For properties located within the boundaries of a ULID, unless otherwise authorized by the District installation and connection to the District's sewer system shall be completed within one hundred eighty (180) days after the date of mailing or personal service of a notice to the property owner directing such owner to connect to the District's sewer system. Property Owners connecting to the sewer system within the first year of service will receive a \$500.00 reduction in their assessment. A connection within the second year of service will receive a \$250.00 reduction.

Properties located within the boundaries and/or adjacent to a District Extension project or a Developer Extension project which provides for sewer service shall have the option of connection.

In the event that a public sewer capable of serving a building or structure has not been completed by the District prior to the construction or occupancy of such building or structure, said building or structure shall be connected to the public sewer within one hundred eighty (180) days after written notification of public sewer availability. No side sewer connection shall be made to the public sewer until that section of sewer main has been approved by the District for the side sewer connection.

- 3.02 **Prohibited Connection.** No person shall connect to the District's sewer system any type of drain or downspout other than a sanitary plumbing fixture. If the District identifies a prohibited connection, the District shall notify the owner that such connection must be removed or brought into conformance with District Regulations or policies within a stated timeframe. If necessary, the District may take legal action to force the property owner to remove the prohibited connection or to otherwise bring the connection into conformance with District regulations or policies.

4. **PERMITS REQUIRED.**

- 4.01 **Application and Issuance.** Prior to connecting a structure to the District's system or making any repairs, alterations or additions to any side sewer or line connected to the District's system, the property owner shall obtain a permit from the District. In connection with seeking a permit, the property owner shall provide the District with any plans, specifications, or other information relating to the work and the requested connection to the District's sewer system. In all cases, said information shall include the name of the owner, the correct address and proper legal description of the property to be served, and the dimensions and locations of any buildings on the property (scale: 1 inch = 20 feet). Upon approval of the application for a permit and payment of the appropriate connection charges and permit fees, the District shall issue a side sewer permit to the owner/contractor authorizing the connection to the District's sewer system in accordance therewith. If the owner/contractor proceeds in any manner other than as authorized, the District shall require the owner/contractor to redo any work that is not in accordance with the permit.
- 4.02 **Charges.** Before the issuance of a permit, the property owner shall pay all applicable connection charges or enter into an installment agreement for payment of such connection charges in accordance with the District's policies and procedures.
- 4.03 **Expiration of Permit.** All permits shall be valid for 90 days unless extended or renewed by the District upon good cause being shown prior to the original expiration date. A renewal permit shall be valid for no more than 30 days. Once expired, a new permit fee shall be paid before a new permit shall be issued.
- 4.04 **Exhibition of Permit.** Any permit required in accordance with these Regulations shall at all times during the performance of the work, and until the work is completed and approved by the District, be posted in a conspicuous place at or near the work, and be readily and safely accessible to the District's representative.

- 4.05 **Installation.** A property owner may install the side sewer on his or her own property provided he or she complies with the applicable provisions of these Regulations. A side sewer contractor, registered with the District in accordance with Section 6 of these Regulations, shall be required for any work on public right of way. Should the owner or occupant choose to employ a registered side sewer contractor to do the work on his or her property, such contractor shall obtain the permit in his or her own name.
- 4.06 **Side Sewer Easements.** Whenever a side sewer is to be located on property other than the property being served, the owner or owners of the side sewer shall secure a written easement on an appropriate form provided by the District, granting the right to occupy such property for such purpose. The written easement shall be recorded in the appropriate county office and a copy of the easement shall be furnished to the District prior to issuance of a permit.
- 4.07 **Repair.** A repair permit shall be obtained from the District for the repair of any minor portion of an existing side sewer on an appropriate form provided by the District. If the repair is not minor, the District may require the replacement of the existing side sewer and bill the owner/contractor for any additional expenses incurred due to the replacement. A repair is not minor if the integrity of the side sewer is impaired as determined by the District in its sole discretion.
- 4.08 **Capping.** When any property owner desires to have sewer service terminated for any property because the building or structure thereon is going to be removed, destroyed, or condemned, whether by public health authorities or by a public entity having the power of condemnation, a permit must be obtained from the District authorizing the property owner, or a duly registered side sewer contractor acceptable to the District, to cap the existing side sewer or sewers at such location and in such manner as may be prescribed by the District. Upon completion of the capping, the owner, agent, or employee of the property owner must have the District inspect the capping prior to backfilling the trench. All cappings must be done with expansion plugs. No okum or concrete cappings will be allowed. All cappings must be made and inspected prior to the demolition of the structure. After completing the capping the account will be closed and will not be billed for monthly sewer service.

In cases where a structure is considered uninhabitable due to a fire and the owner is rebuilding, the District shall grant the owner a six-month credit on the sewer bill. At the end of the six months, the owner shall notify the District of the status and the District may at its discretion reinstate the billing.

- 4.09 **Right of Way.** Prior to the making of any repairs, alterations, or additions to any public sewer or stub sewer within the public right of way, an application for a right of way permit shall be made at the District office. The applicant shall be registered with the District pursuant to Section 6 of these Regulations and shall comply with all regulations set forth in Section 7.
- 4.10 **Denial of Permit.** The District shall have the right to refuse a permit to any person or registered side sewer contractor where reasonable doubt exists that said person or

contractor will comply with the provisions of these Regulations. If, in the judgment of the District, past performance and/or reputation of any person or registered side sewer contractor indicates a lack of ability to install a side sewer, stub sewer, or any other sewer, public or private, in accordance with the accepted standards of the trade and the provisions of these Regulations, a permit may be denied that person or contractor.

4.11 **Special Regulations.** No person other than representatives of the District shall uncover, make any connections with or opening into, use, alter, or disturb any public sewer or appurtenance thereof without first obtaining a written side sewer permit from the District.

5. **PERMIT FORM AND FEES.**

5.01 **Permit Form.** Prior to the issuance of any permit, all fees shall be paid to the District. Attached as Exhibit "A" and incorporated herein by this reference is a sample form of the side sewer permit to be issued to a property owner or contractor for the construction of a side sewer. The District may periodically update and/or revise the permit form.

5.02 **Permit Fees.** The side sewer permit form shall be used in all of the following cases. The permit fee for each use shall be as established by District resolution.

- a) Inside residential
- b) Right of Way (ROW)
- c) Apartment houses
- d) Commercial or government units
- e) Trailer courts
- f) Side sewer capping
- g) Side sewer repair

5.03 **Additional ROW Permit Fees.** If additional agency inspections are necessary for ROW permits, any additional fees for such inspections shall be paid by the person obtaining the permit.

5.04 **Collection of Additional Fees.** The District may charge additional fees relating to inspections conducted beyond what is expected for typical side sewer connections. Additional inspection time resulting from, but not limited to, the following shall be paid by the contractor or owner:

- a) Where an inspector is required to be present at the direction of the contractor or property owner during the construction of a side sewer in deep cuts or extremely wet soil and where backfill must be placed on the pipe prior to the test.
- b) Additional inspection or call backs resulting from poor workmanship or failure to comply with the provisions of these Regulations.

6. **REGISTERED SIDE SEWER CONTRACTOR.**

6.01 **Insurance.** Each contractor must carry, at a minimum, insurance to the limits as shown below with an insurance carrier with a Best's Rating of at least A- or above. The contractor must supply the District with a certificate of insurance. The District must receive at least 30 days advance written notice of any cancellation of insurance.

a) **Right of Way**

1. **General Liability**

Each Occurrence	\$1,000,000
Aggregate	\$1,000,000

2. **Auto**

Bodily injury and property damage, combined single limit	\$1,000,000
<u>or</u>	
Bodily injury, per person	\$1,000,000
Bodily injury, per accident	\$1,000,000
Property damage	\$1,000,000

3. **Additional Insured**

The contractor shall name the District as an additional insured on the contractor's general liability and auto insurance policies relating to work performed on side sewers connecting to the District's sewer facilities.

b) **Private Property**

1. **General Liability**

Each Occurrence	\$500,000
Aggregate	\$500,000

2. **Auto**

Bodily injury and property damage, combined single limit	\$500,000
<u>or</u>	
Bodily injury, per person	\$500,000
Bodily injury, per accident	\$500,000
Property damage	\$500,000

6.02 **Small Works Roster.** The District may maintain a small works roster in accordance with applicable law. To be included on the small works roster, a contractor must fulfill all requirements as to registration and insurance for right of way work and comply with all terms and conditions of these Regulations.

6.03 **Requirements for Contractors.** The District shall maintain a roster of side sewer contractors. If a side sewer contractor desires to be on this roster or the small works

roster, the contractor shall in January of each year certify to the District that the contractor is registered as a general contractor in the state of Washington and further provide to the District a certificate of insurance naming the District as an additional insured under the appropriate coverage set forth in Subsection 6.01.

- 6.04 **Indemnity.** The owner and/or side sewer contractor shall execute a document whereby they shall hold harmless, indemnify and defend the District from any and all claims against the District as a result of work done within the District pursuant to these Regulations.
- 6.05 **Plumbing Contractors.** No plumbing contractor shall make any connection of a side sewer to the District's sewer system without itself being a registered side sewer contractor or using a registered side sewer contractor.
- 6.06 **Employees.** A side sewer contractor shall be responsible for any and all actions of its employees, regardless of the contractor's absence or any misunderstanding by the employees of the contractor's orders. The contractor shall take all necessary precautions for the safety of employees on the work and shall comply with all applicable provisions of federal, state, and municipal safety laws and building codes.
- 6.07 **Responsibility to Property Owner.** The contractor shall make its own arrangements with the person or property owner(s) for whom the contractor is working as to how the work is to be conducted and scheduled. The contractor shall also reach an understanding with the property owner as to the condition in which the owner's property is to be left when the work is complete. The arrangements shall be completed prior to the commencement of work. The contractor shall adequately protect adjacent property from loss or damage occasioned by performance of the work.
- 6.08 **Denial of Permit or Inclusion on District Rosters.** The District reserves the right to deny to a general contractor or side sewer contractor a side sewer permit or inclusion on the small works or side sewer contractor roster if the contractor's work for the District or third parties connected to the District's system has been unacceptable or performed in the past in an unworkmanlike or unprofessional manner, or if, in the opinion of the District, the general contractor or side sewer contractor is not qualified to perform its duties. If a general contractor or side sewer contractor is denied a permit or inclusion on the small works or side sewer contractor roster, the contractor shall have the right, upon giving the Board of Commissioners ten days' written notice, to appear before the Board at a meeting to set forth any grievance the contractor may have and to request that the Board review such denial at a regularly scheduled Board meeting.
- 6.09 **Denial or Revocation of Registration.** The District shall have the right at its sole discretion to refuse to register a side sewer contractor where past documented incidents have demonstrated that the contractor may refuse to, or be unable or unwilling to comply with the provisions of these Regulations. Further, if in the sole discretion and judgment of the District, the past performance and/or reputation of a side sewer contractor indicates a lack of ability or willingness to install a side sewer,

stub sewer, or any other sewer, public or private, in accordance with the accepted standards of the trade, and the provisions of these Regulations, then the contractor's registration as a side sewer contractor may be revoked and the contractor shall be removed from the small works or side sewer contractor roster.

7. **RIGHT OF WAY WORK.**

7.01 **Construction.** No person shall install stub sewers in any public or private thoroughfare or right of way making connections to the sewers unless registered with the District pursuant to Section 6 of these Regulations, and has complied with all of the requirements of these Regulations. Any work on private property or rights of way shall be in conformity with the requirements of the agency having jurisdiction over them. A copy of the side sewer permit and/or right of way permit shall be posted in a conspicuous location at all times throughout the course of the construction. The contractor shall notify the District and the appropriate agencies before beginning work on any right of way, and ascertain that the proposed schedule of operating is satisfactory to the agency; provided, however, that all work must be completed in a reasonable time. If a person has received notice from the appropriate agency or the District that certain work must be done and then the contractor fails to perform or complete such work, the District may complete the work and charge its cost to the person responsible.

7.02 **Protection.** Any excavation made by a side sewer contractor in a right of way or immediately adjacent thereto shall be protected and guarded by fencing and covering, with proper lights. An approved copy of a traffic control plan shall be on site at all times throughout the construction within the right of way. The protection of the public from the danger of such excavation shall be in compliance with current OSHA and WISHA regulations and shall be the responsibility of the sewer contractor. The contractor shall be liable for any damage caused by failure to protect properly and guard such excavation as herein required. If the contractor fails to protect properly and guard such excavation as herein required, the District may do so and charge the cost thereof to the sewer contractor, who shall, upon receiving written notice of the amount of such charge, immediately pay the same to the District.

7.03 **Maintenance.** Whenever construction work under these Regulations is undertaken on an easement or rights of way over private property or a public right of way or franchise, all work shall be confined to the limits of such easement, right of way, or franchise, and accomplished so as to cause the least amount of disturbance and damage. The contractor shall prevent its work from causing any loss or damage to the adjacent property. The contractor shall not remove, even temporarily, any trees or shrubs existing on private or public property or on parking strips without first having notified the property owner or agency maintaining them. If removal of trees, shrubs, etc., is necessary, the contractor shall restore them to an equal or better condition satisfactory to the property owner(s) and the District or proper agency. The District shall be made aware of any written or verbal agreements made by the contractor with property owners prior to commencement of work upon private property.

- 7.04 **Road Cuts.** All road cuts in a public right of way must be made in accordance with the agency regulations having jurisdiction over the right of way and must be cold-patched the same day the cut is made and prior to the contractor leaving the site.
- 7.05 **Safety.** In addition to the foregoing provisions, the contractor shall comply with all laws, ordinances, and regulations of state, county or city governing the safety and protection of all workers, pedestrians, and the area affected as required by OSHA and WISHA regulations. A state certified flagger must be present wherever work is underway within the public right of way. The contractor shall take all necessary precautions for the safety of the employees.
- 7.06 **Re-Registration Fees.** Any contractor failing to comply with District standards by not acquiring the necessary right-of-way permits prior to construction within said right-of-way shall be removed from the side sewer contractor roster and small works roster immediately. In the event the contractor desires to re-register with the District, the contractor shall be required to pay a re-registration fee of \$500.00 which must be paid at the time the application for re-registration is submitted.

If the District denies the contractor's request for re-registration, the \$500 fee shall be returned to the contractor. If the District accepts the contractor's request for re-registration, the District shall hold the registration fee as a form of a cash performance bond to ensure that the contractor fully complies with these Regulations. In the event the District determines that the contractor has failed to comply with these Regulations for a second time, the \$500 fee shall be forfeited to the District and the contractor shall be removed from the side sewer contractor roster and small works roster. Thereafter, the contractor shall not be eligible to re-register with the District for a period of at least one year from the date of its removal from the side sewer contractor roster and small works roster. Southwest Suburban Sewer District reserves the right in its sole discretion to reject any application submitted based on past performance with the District.

8. **SIDE SEWER CONSTRUCTION.**

- 8.01 **Grade.** All side sewers shall be laid on not less than 2% grade (2' per 100) nor more than 100% (1' vertical; 1' horizontal) grade. The District may approve a 1% grade on 4" and 6" side sewers upon receiving a signed grade release form from the owner. Whenever a side sewer is laid at more than 100% grade, the District shall require Lock Tite ductile iron pipe, HDPE or other acceptable pipe which conforms with these Regulations.
- 8.02 **Location.** On new construction, side sewers shall not be laid less than 24 inches from any foundation wall of any building or if there is no foundation wall, less than 30 inches from the outer lines of any footings, pilings, or building supports. A variance shall be considered for those existing structures which cannot meet the above requirements.

- 8.03 **Depth.** Minimum depth shall be not less than 60 inches at the property line, and not less than 18 inches on private property. A side sewer laid generally parallel to the property line shall have not less than 60 inches of cover and all cover measurements shall be based on the established grade of existing improvements.
- 8.04 **Determining Grade.** The permit applicant shall be responsible for determining the available grade and topography between the plumbing outlet and sewer tee or stub.
- 8.05 **Sewer Pipe Size.** A 6-inch side sewer shall be required for any building other than a single-family residence, unless the District for good cause permits a smaller size and the owner signs a variance release. Two or more houses up to a maximum of four houses, and all apartments up to a maximum of 10 units, require a 6-inch line. For uses above those specified, 8-inch lines are required along with manholes and necessary appurtenances. A 4-inch side sewer shall be the required minimum for a single-family residence.
- 8.06 **Approved Fittings and Cleanout Location.** All changes in direction shall be made with 1/8 long bends (45 degrees), 3/32 bends (30 degrees) 1/16 bends (22-1/2 degrees), 1/32 bends (11-1/4 degrees) or wye branches with the straight-through opening plugged for a cleanout. Cleanouts will be required at the next angle past a 1/8 bend (45 degrees), or whenever a combination of angles cause the side sewer to change direction by over 45 degrees. Cleanouts will also be required outside the house or structure at a point 24 inches from the foundation or where the District deems necessary. In all cases, a cleanout will be made with a wye and a tee will not be allowed for a cleanout. Where necessary, a riser may be required to raise the cleanout. If a cleanout is raised to surface grade it shall have a locking cover or be located in a locking box.

Whenever there is a change in pipe size from a larger to a smaller size, a cleanout with the diameter of the larger pipe size shall be located at the transition point between the two pipe sizes.

All waterfront side sewers, and any other side sewers within a hydraulic gradient area shall include a cleanout at a point two (2) feet above the high level of the body of water. The cleanout shall consist of a wye and a sloping riser, both the same size as the side sewer located in the hydraulic gradient area. The riser shall be extended to within twelve (12) inches of finished grade and capped.

- 8.07 **Test Tee Location.** On side sewers other than waterfront property, the first length of pipe inside the property line shall be a tee with the branch installed upward, except where conditions exist, such as rockery, high bank, or wall, which would prevent the excavation to the tee for testing purposes. When these conditions exist, the tee shall be installed just outside the property line. After the side sewer has been tested, the tee shall be capped and blocked to resist internal pressure.

- 8.08 **Manhole.** In 4" side sewers over 100 ft. in length and 6" side sewers over 150 feet in length, the District may prescribe a standard cast riser cleanout cover or a 48-inch manhole, whichever it deems necessary for the project.
- 8.09 **Grease, Oil, and Sand Interceptors.** Grease, oil, and sand interceptors shall be required when the District determines in its sole discretion that they are necessary for the proper handling of liquid wastes containing grease or an excessive amount of any flammable wastes, sand, and other harmful ingredients, except that such interceptors shall not be required for private living quarters. All interceptors shall be of a type and capacity approved by the District and shall be located so as to be readily and easily accessible for cleaning and inspection, and shall be maintained by the owner, at owner's expense, in continuously efficient operation at all times in accordance with applicable District resolutions, including Resolution 2004-29 or such other resolutions that may be subsequently adopted by the District.
- 8.10 **Backwater Valves.** Backwater valves or back-flow prevention devices will be required by the District for pump systems or those systems installed on lines with force mains.
- 8.11 **Dog Kennels.** Dog kennels will be allowed to connect to the sewer system subject to approval by the District. Dog kennels must be completely covered to exclude storm water run-off. A concrete or asphalt floor will be required with a P-trap for odor control.
- 8.12 **Grease Traps.** A grease trap shall be required for restaurants or any other side sewer in accordance with applicable District resolutions, including Resolution 2004-29 or such other resolutions that may be subsequently adopted by the District.
- 8.13 **Mobile Homes.** Trailer houses and mobile homes must have acceptable connections in accordance with local building/plumbing codes.
- 8.14 **Trailer Dumps.** Trailer dumps must be constructed with a concrete dish so as to prevent waste from spilling/seeping onto the ground and have an approved locking cover.
- 8.15 **Septic Tanks and Cesspools.** Any connection to a septic tank, cesspool, or privy vault will be removed and direct connection made to the house or building outlet; provided, however, that connection may be made through existing septic tanks or cesspools, but in such event ductile iron pipe or schedule 40 ABS shall be used through such cesspool or septic tank. In all cases, such cesspool or septic tank shall be pumped out and properly disinfected and filled with suitable material.
- 8.16 **Water and Electric Line Location.** No water or electric service line shall be laid within 3 feet of the sewer line. No side sewer shall interfere with any line supplying water for human consumption.
- 8.17 **Inside Drops.** Inside drops may be allowed upon approval of the District. Prior to approval, the proposed design must be submitted to the District and the site inspected

by a District representative. In no case will an inside drop be allowed through the cone or reducers or installation less than five feet from the bench of any manhole.

8.18 **Pumps.** At the sole discretion of the District, a pump system may be allowed for sewage or effluent where gravity service is not available. Sewage pumps shall have a grinder or shall be a 2" solids handling sewage ejector pump. Sewage pumps shall be a package unit with float controls and an alarm system. Pumps shall be better than or equal to the Environmental-One, Model No. 2012. All units will have a minimum 300 gallon holding tank and be subject to District approval. Step systems are subject to District approval.

a) **Single Family.** A single family pump system shall consist of a single pump and a single force main for each residence.

b) **Multiple Dwellings/Commercial.** Pump systems shall be designed by an engineer, and shall be subject to District approval.

8.19 **Pipe Laying.** The side sewer contractor or other persons doing the work shall carefully remove the plug from the tee or stub out and shall prevent the entry of all foreign material into the pipe. Where water conditions exist, water shall be pumped down and the trench shall be kept reasonably dry to prevent the entry of water, dirt and foreign materials into the sewer system. Rubber or plastic joint adapters shall be used as required to connect pipes of different materials or joint designs. All side sewers shall be laid true to grade with the bells up grade. Pipe shall be firmly bedded for the full length of the barrel in the prepared trench bottom. Pipe shall be carefully centered prior to the joining. Joints shall be installed in strict compliance with the manufacturer's recommendations, Spigot ends shall be thoroughly cleaned before gasket cement and rubber gaskets are applied. The interior surface of the bell previously laid shall be thoroughly cleansed and coated with gasket cement or lubricant as recommended by the manufacturer. After the section being laid has been carefully aligned, the joint shall be completed.

8.20 **Excavations.** No person shall leave unguarded any excavation he or she has made in connection with the construction or repair of a sewer line in any public place.

8.21 **Structure, Appurtenances, and Equipment.** No person shall break, damage, destroy, deface, alter or tamper with any structure, appurtenance or equipment which is a part of the District's sewer system.

9. **PIPE SPECIFICATIONS.**

9.01 **Pipe Standards.** Unless otherwise called for, side sewer pipe shall be cast iron or plastic and meet the following specifications:

* Ductile Iron(with mechanical or roll-on rubber joints)		Class 52
Plastic	A.S.T.M.	D3034, SDR35 (PVC) D1785, (PVC Sch 40, 80, 120) D2751 (ABS) D1527 (ABS Sch 40) D2465 (ABS Sch 40)
High Density Polyethelene (HDPE)		SDR 11, 17 and 21

All A.S.T.M. specifications shall be the latest issue.

* Laying and joining to be done in accordance with the manufacturer's recommendations.

9.02 **Pressure Sewer Pipe.** Type of pipe acceptable for 1 1/2" and 2" pressure side sewer installation is as follows:

1. Type 1 PVC 1120, SDR-21 (200 psi)
2. Type 1, PVC 1120, Schedule 40

Connection to the outside side sewer shall be with an acceptable manufactured adapter and not by grouting.

9.03 **Sewers around Water Bodies.** Side sewers in areas with hydraulic gradient shall be either glue joint PVC or ABS, welded HDPE or ductile iron piping for that area located between the water front connection and a point two (2) feet above the maximum hydraulic gradient as determined under emergency overflow conditions.

9.04 **Sewers on Steep Bluffs.** The installation of a properly supported sewer line above ground may be allowed on steep bluffs only after written request. Approval will be granted only after site review and exhausting of all other possible alternatives. In such cases, the pipe used shall be either mechanical or restrained joint ductile iron pipe, glue joint PVC or ABS, or butt fusion polyethylene. All slopes shall be stabilized utilizing hill holders fabricated from treated wood and/or the application of erosion control blankets, hydro-seeding, straw mulching or plantings.

10. **INSPECTIONS.**

10.01 **Inspection.** No person shall cover or backfill any sewer line without having an inspection and receiving permission and approval from the District. The District shall be given a minimum of two hours and a maximum of 24 hours notice when such construction is ready for inspection. If any person covers or backfills any sewer line without having obtained the District's approval, the District shall require the person to uncover the work so that a proper inspection and approval can be made. The District

shall have access at reasonable times to all single-family, multiple-family dwellings, and other structures, for the purpose of examining any and all plumbing outlets or side sewers so as to ascertain whether the provisions of these Regulations are being complied with.

In the case of a registered side sewer contractor, either the contractor or a competent representative shall be available to meet the District representative on the premises for the inspection and testing of the side sewer.

10.02 **Materials and Workmanship.** The District shall inspect to ensure that the new construction meets all requirements of these Regulations for materials and workmanship.

10.03 **Water and Air Tests.** The District shall require all sewer construction to be tested by means of water or air. The test shall be performed in the presence of the District's representative and shall hold water or air for a period of five minutes. There shall be no drop in level or pressure.

10.04 **Nonconforming Installations.** Nonconforming installations shall not be permitted without the express approval of the District and all releases requested by the District shall be obtained in writing by the person requesting such installation. The District may cap any nonconforming installation upon reasonable notice to the property owner.

11. **TAPS TO DISTRICT SEWERS.**

11.01 **TV Inspection Required.** Prior to any connection directly to a mainline or any construction in the road, a TV inspection to verify the condition of the mainline shall be required. The person connecting to the mainline shall pay a charge at the current hourly rate for the TV inspection.

11.02 **Prohibited Connection.** Connection to existing tees on the mainlines in ULID #1 and ULID #2 is prohibited.

11.03 **Taps into Mainline.** In the event there is no suitable tee or stub out, a tap to the main may be made by a registered side sewer contractor. The tap shall be made with the approved romac or by any other method approved by the District. Grouting in a tee or wye is not permitted. Great care shall be taken in coring a hole into the sewer main, and in the event of breakage of the sewer main, the broken section shall be removed and replaced by the sewer contractor at no cost to the District. The method of installation shall be approved and inspected by the District.

11.04 **Preventing Damage to the Sewer Main.** The registered sewer contractor performing the work shall prevent any damage to the sewer main, tee, or stub out, and shall conduct trenching operations in such a manner as to prevent damage.

12. **SIDE SEWER REPAIR AND ROOT PROBLEMS.**

12.01 **Permit Required.** A permit, pursuant to Section 4 of these Regulations, shall be required prior to any work on sewer lines. Refer to Section 7.06 for penalties related to performing work without the necessary permits.

12.02 **Inspection & Testing of Repairs.** Inspection and testing of side sewer or stub repairs shall meet all the requirements of Sections 5 and 10 of these Regulations.

12.03 **Side Sewer Repair.** Any needed repair to a side sewer shall be made within thirty (30) days after the date the District mails a notice to the owner requiring the owner to make such repair. In the event of an emergency, the District may establish a shorter period of time for the repair to be made or, if the owner cannot be located or does not make such repairs promptly, the District may make the repairs under the procedures of Subsection 12.05 below.

12.04 **Root Blockage.** In the event that the District determines that the public sewer system is being damaged or obstructed by trees, shrubs, or the roots of said trees or shrubs, the District may take the following steps:

a) To notify the owner of the property from which the offending trees, shrubs, or roots are coming from, that said trees, shrubs, or roots are damaging and/or obstructing the sewer lines, that this constitutes an actionable nuisance, and that said property owner shall abate said nuisance within thirty (30) days, by the removal of said trees, shrubs and/or roots, and/or

b) To request the applicable municipal agency to remove said trees, shrubs, or roots in accordance with the applicable state and local laws and regulations.

12.05 **Further Action.** The District may authorize legal action against the owner or other responsible party (1) to compel the owner or responsible party to make the needed repair to a side sewer or stub sewer, if roots or any other cause has created a blockage; (2) to authorize the District to make the repair at the expense of the owner or other responsible person; or (3) for such other relief as may be appropriate, including payment of the District's costs, disbursements, and reasonable attorney's fees.

13. **DISCHARGE TO SEWERS.**

13.01 **Storm or Other Waters.** No person shall discharge, permit, or cause to be discharged any storm drainage water, surface water, groundwater, roof runoff, or subsurface drainage to the District's sewer system.

13.02 **Unlawful to Surcharge System.** No person shall discharge any large volume of water directly into the sewer which could cause overloading of the District's sewer system. No direct discharging of swimming pools, public or private, shall be permitted by the District. To the extent authorized by the District, any large volumes of water to be discharged into the sewer system shall be done in strict accordance with District requirements and shall be performed under the supervision of a District representative.

- 13.03 **Prohibited Substances.** Except as hereinafter provided, no person shall discharge or cause or permit to be discharged any of the following described water or wastes into the District's sewer system:
- 13.03.01 **High Temperature Wastes.** Any liquid or vapor having a temperature higher than 150 degrees Fahrenheit.
- 13.03.02 **Flammable or Explosive Wastes.** Any gasoline, oils, paint, benzene, naphtha, fuel oil or other flammable or explosive liquid, solid, or gas.
- 13.03.03 **Obstructing Wastes.** Any ashes, cinders, sand, mud, straw, shavings, metal, glass, rags, feathers, tar, plastics, wood, septic tank sludge, or any other solid or viscous substance capable of obstructing the flow in sewers or interfering with the proper operation of the District's sewer system.
- 13.03.04 **Toxic or Poisonous Substance.** Waters or waste containing a toxic or poisonous substance.
- 13.03.05 **pH Limitations.** Any waters or wastes having a pH lower than 5.5 or higher than 9.0 or having any other corrosive property capable of causing damage or hazard to structure, equipment, or personnel of the sewage works.
- 13.03.06 **Suspended Solids.** Any waters or wastes containing suspended solids of such character and quantity that unusual attention or expense is required to handle them at the sewage treatment plant, or are in excess of 250 milligrams per liter.
- 13.03.07 **Noxious Substance.** Any noxious or malodorous gas or substance capable of creating a public nuisance, including the contents of septic tanks and cesspools, without the written consent of the District.
- 13.03.08 **Garbage.** Any garbage that is not properly shredded garbage as herein defined.
- 13.03.09 **Paper or Plastic Products.** Any paper or plastic products such as cups, dishes, napkins and milk containers.
- 13.03.10 **Greases.** Any matter containing animal or vegetable grease or oil of any nature in excess of 100 milligrams per liter.
- 13.03.11 **BOD.** Any matter containing a five-day biochemical oxygen demand (BOD) in excess of 300 milligrams per liter.
- 13.04 **Examination of Water and Sewage.** All measurements, tests, and analyses of the characteristics of waters and wastes to which reference is made shall be conducted in accordance with "Standard Methods for the Examination of Water and Sewage" at the

control manhole. In the event that no special manhole has been required, the control manhole shall be considered to be the downstream manhole in the public sewer nearest to the point at which the side sewer or stub is connected.

- 13.05 **Sampling Manhole.** Where the District deems it necessary to monitor the characteristics of waters and wastes, a 48" sampling manhole may be required.
- 13.06 **Violations.** Any person who violates a provision of this Section shall be liable to the District for penalties, damages, or costs resulting from non-compliance.