



Southwest Suburban Sewer District
SIDE SEWER REGULATIONS

December 2025

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Effective: December 2025

1. Effective Date of Regulations

These Side Sewer Regulations (“Regulations”) of the Southwest Suburban Sewer District (the “District”) govern the use of public and private sewers and drains, private sewage disposal systems, the installation and connection of side sewers to buildings, and the discharge of wastewater into the District’s sewer system. These Regulations shall take effect upon their adoption by the District’s Board of Commissioners.

Agencies that contract with the District for wastewater treatment services shall ensure that they have adopted side sewer regulations meeting or exceeding the requirement of these Regulations. Compliance with these Regulations is a condition of the District’s agreement to accept wastewater for treatment.

All previously adopted resolutions, policies, and procedures that conflict with these Regulations are hereby superseded, rescinded, or modified to conform to the terms and conditions set forth herein.

2. Definitions

Unless otherwise stated, the terms used in these Regulations shall be defined as provided below. Terms not specifically defined herein shall be interpreted according to the most recent edition of the Glossary: Water and Wastewater Control Engineering, published by the American Public Health Association, American Society of Civil Engineers, American Water Works Association, and Water Pollution Control Federation.

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| 2.01 | Accessory Dwelling Unit (ADU) – | A self-contained residential unit either attached to a principal single-family dwelling or located within a separate structure on the same property. |
| 2.02 | Agency – | A public body such as a city, town, county, state, or other public entity. |
| 2.03 | APWA Specifications – | The latest edition of the <i>Standard Specifications for Municipal Public Works Construction</i> published by the Washington State Chapter of the American Public Works Association. |
| 2.04 | ASTM – | American Society for Testing and Materials. |
| 2.05 | Board – | The Board of Commissioners of the Southwest Suburban Sewer District. |
| 2.06 | BOD (Biochemical Oxygen Demand) – | The quantity of oxygen used in the biochemical oxidation of organic matter over a five-day period at 20°C, expressed in milligrams per liter. |

- 2.07 **Change of Use** – Any development, redevelopment, or modification of a property that increases its demand on the District's sewer system, as measured by equivalent residential units (ERUs) or a similar metric.
- 2.08 **Commercial Use** – Any business, industrial, governmental, or non-residential use of property.
- 2.09 **Connection Charge** – A fee representing a property owner's proportionate share of the cost of the District's sewer system. This charge may include general and local facility charges, temporary service charges per agreement, and any latecomer agreement amounts related to Developer Extensions, as authorized by RCW 57.08.005(11).
- 2.10 **Coring** – The District's approved method for tapping into an existing sewer line or manhole.
- 2.11 **County** – King County, Washington.
- 2.12 **Cover** – The vertical distance between the top of a sewer pipe and the finished ground surface directly above it.
- 2.13 **Developer Extension** – A sewer improvement project financed by a property owner to provide service to the subject property, including plats and short plats. Such properties are subject to all applicable facility and latecomer charges.
- 2.14 **District** – Southwest Suburban Sewer District.
- 2.15 **District Sewer System** – All infrastructure owned or managed by the District used for wastewater collection, conveyance, and treatment, including mainlines, interceptors, pump stations, and treatment plants.
- 2.16 **Domestic Service** – Sewer service provided to residential properties, including both single-family and multi-family dwellings.
- 2.17 **Downspout** – A pipe that conveys water from the roof of a structure to the ground or drainage system.

- 2.18 **Emergency** – A condition posing an immediate threat to human health or safety, or one that is likely to result in significant property damage if not promptly addressed.
- 2.19 **FOG** – Fats, oils, and grease, as defined by District resolution or applicable standards.
- 2.20 **Garbage** – Putrescible waste generated from the preparation, cooking, handling, storage, or sale of food.
- 2.21 **Local Facility** – Sewer infrastructure such as mains or pump stations that serve a localized area and transport wastewater to the District’s general sewer facilities.
- 2.22 **Multi-Family** – Residential properties containing more than one dwelling unit, such as apartments, condominiums, townhomes, senior housing facilities, mobile home parks, or accessory dwelling units.
- 2.23 **Natural Outlet** – Any point of discharge into a watercourse, pond, ditch, lake, or other body of water.
- 2.24 **Other Uses** – Non-residential, non-commercial, and non-multi-family uses, including but not limited to schools, parks, and religious institutions.
- 2.25 **Person** – Any individual, partnership, corporation, association, organization, public entity, or group. The singular includes the plural and vice versa.
- 2.26 **pH** – The logarithmic measure of the concentration of hydrogen ions in a solution, indicating its acidity or alkalinity.
- 2.27 **Plumbing** – The lowest horizontal portion of a drainage system that collects wastewater from interior plumbing and conveys it to the side sewer.
- 2.28 **Properly Shredded Garbage** – Garbage that has been shredded so that no particles exceed one-half inch in any dimension and can be carried freely under normal sewer flow conditions.

- 2.29 **Public Sewer** – Any portion of the District’s sewer system, including mains, laterals, stubs, force mains, treatment facilities, and outfalls.
- 2.30 **Pump System** – A pressure side sewer system incorporating a pump unit used to convey sewage from a structure that cannot be served by gravity flow.
- 2.31 **Registered Side Sewer Contractor** – A person or entity authorized by the District to construct or repair side sewers under permit and listed on the District’s official side sewer contractor list per Section 6.
- 2.32 **Residential** – A single-family residential dwelling or equivalent use, such as a house, modular home, manufactured home, or mobile home.
- 2.33 **Right-of-Way (ROW)** – Land designated for public use and access, including streets, alleys, and easements owned or managed by a city, county, or state.
- 2.34 **Sanitary Sewer** – A sewer that conveys sewage and excludes stormwater, groundwater, or unpolluted water.
- 2.35 **Sewage** – Liquid or solid waste, including human waste and graywater, discharged from residential, commercial, industrial, and public facilities into the District’s sewer system.
- 2.36 **Shall / May** – “Shall” denotes a mandatory requirement; “may” denotes a discretionary or permissive action.
- 2.37 **Side Sewer** – The privately owned and maintained sewer line that conveys wastewater from a building or property to the District’s sewer system or stub connection.
- 2.38 **Single-Family Residence (SFR)** – A detached dwelling designed and intended for occupancy by one household.
- 2.39 **Storm Drain** – A public or private conduit designed to carry rainwater, stormwater runoff, or surface drainage, but not sewage.
- 2.40 **Structure** – Any constructed or erected object with a fixed location on the ground, including buildings, mobile homes, and trailers, but excluding fences or walls.

- 2.41 **Stub Sewer** – A sewer pipe extending from a District main to a property line or easement line to facilitate connection.
- 2.42 **Suspended Solids** – Solid particles suspended in wastewater that can be removed by laboratory filtration methods.
- 2.43 **Temporary Service Connection** – A non-permanent sewer connection authorized by the District to serve a property under specific circumstances (e.g., health emergencies or lack of immediate sewer access), subject to a Temporary Service Agreement and applicable charges.
- 2.44 **Trenchless Construction** – Construction techniques such as horizontal directional drilling, micro-tunneling, or boring that do not require open trench excavation.
- 2.45 **Trenchless Rehabilitation** – Rehabilitation methods for existing pipelines including slip lining, cured-in-place pipe (CIPP), and pipe bursting.
- 2.46 **ULID** – Local Improvement District, or Local Improvement District, established under RCW 57.16 to fund sewer improvements via special assessments on benefiting properties.
- 2.47 **Unpolluted Water** – Water in its natural state, or water which, after use, remains chemically and biologically unchanged and is not harmful to the sewer system or the environment.

3. Connection to the District's Sewer System

3.01 Connection of Plumbing Outlets:

- A. **Mandatory Connection Requirement:** All plumbing outlets from any building or structure constructed after the effective date of these Regulations shall be connected to the District's public sewer system prior to occupancy or use. The connection shall be made at the property owner's expense, at the point designated by the District.
- B. **Connection within Utility Local Improvement District (ULID) Boundaries:** For properties located within a ULID, and unless otherwise authorized by the District, connection to the sewer system must be completed within one hundred eighty (180) days following the date of mailing or personal service of a written notice from the District requiring such connection.
1. Property owners who connect within the first year of sewer service availability will receive a \$500 reduction in their ULID assessment.

2. Connections made within the second year of service will receive a \$250 reduction.
- C. Connection Options for Adjacent Properties: Properties located within or adjacent to the boundaries of a District Extension or Developer Extension project providing sewer service shall have the option to connect.
- D. Connection Following Sewer Availability: If a public sewer capable of serving a property is not available prior to building construction or occupancy, the property must be connected to the public sewer within one hundred eighty (180) days of receiving written notification from the District of sewer availability. No connection shall be made until the relevant section of the sewer main has been accepted and approved by the District for side sewer connections.

3.02 Prohibited Connections: No person shall connect any type of drain or downspout – other than a sanitary plumbing fixture – to the District's sewer system. If a prohibited connection is discovered:

- A. The District shall notify the property owner in writing and require the removal or correction of the noncompliant connection within a specified timeframe.
- B. If the property owner fails to comply, the District may take legal action to compel removal or bring the connection into compliance with District policies and regulations.

4. Permits Required

4.01 Application and Issuance of Permit: Before connecting any structure to the District's sewer system – or performing any repairs, alterations, or additions to a side sewer or line connected to the system – the property owner must obtain a side sewer permit from the District.

- A. As part of the application process, the property owner shall submit any required plans, specifications, or related documentation. At a minimum, the application must include:
 1. Owner's name and contact information.
 2. Legal property description and physical address.
 3. Scale drawing (1 inch = 20 feet) showing building locations and proposed sewer work.
- B. Upon District approval of the application and payment of all applicable fees and charges, a permit will be issued. Any deviation from the approved permit may result in the District requiring the work to be removed or redone at the owner's or contractor's expense.

4.02 Payment of Charges: Prior to permit issuance, the property owner must pay all applicable connection charges and fees or enter into an approved installment payment agreement with the District in accordance with District policies.

- 4.03 Permit Expiration: All permits shall remain valid for ninety (90) calendar days unless renewed or extended by the District for good cause. Extensions shall not exceed thirty (30) days. If a permit expires, a new permit application and fee shall be required.
- 4.04 Display of Permit: A valid copy of the permit must be posted in a visible and accessible location near the work site at all times during construction until final inspection and approval by the District.
- 4.05 Installation by Property Owner: A property owner may install the side sewer on their own property if they obtain the proper permit and comply fully with all applicable Regulations. However, any work performed in the public right-of-way or on another's property must be completed by a Registered Side Sewer Contractor (see Section 6). If a contractor is used, they must obtain the permit in their own name.
- 4.06 Easements for Side Sewers on Other Property: If a side sewer must cross property not owned by the applicant, the property owner shall secure a written easement on a District-approved form. The easement must be recorded with the appropriate county office, and a copy must be submitted to the District before a permit will be issued.
- 4.07 Side Sewer Capping:
- A. Capping Due to Demolition or Condemnation: When sewer service is to be terminated due to building demolition or condemnation, a permit must be obtained to cap the side sewer. Capping shall be performed by the property owner or a Registered Side Sewer Contractor, in a manner and location approved by the District. All capping must use expansion plugs, and an inspection must occur prior to backfilling. The account will be closed upon inspection approval.
 - B. Credit for Uninhabitable Properties: Upon written request, the District may grant a credit of up to six (6) months of sewer charges if a property becomes uninhabitable due to neglect, fire, or casualty, provided that:
 - 1. Water service has been locked at the meter by the water utility; and
 - 2. The property owner notifies the District of the uninhabitable condition and provides proof of water shutoff and/or side sewer capping.
 - C. Mobile/Manufactured Home Parks: Sewer charges for unoccupied stalls or spaces in mobile home parks shall continue to apply unless the side sewer serving the stall or space is cut and capped in accordance with District requirements.
- 4.08 Work in the Right-of-Way (ROW): Prior to performing any work in a public right-of-way or on a public sewer or stub sewer within the ROW, the contractor must:
- A. Be registered with the District per Section 6;
 - B. Obtain a separate right-of-way permit; and
 - C. Comply with all applicable requirements of Section 7.

- 4.09 Special Restrictions: No individual, other than a representative of the District, may uncover, tap, alter, or disturb any public sewer or related appurtenance without first obtaining a written permit from the District.
- 4.10 Side Sewer Inspections: Stub inspections are required under the following circumstances and may affect the validity or terms of an existing permit:
- A. Repairs: Repair of a side sewer in current service, including replacement or trenchless methods such as pipe lining or pipe bursting.
 - B. Alterations: Work associated with a new side sewer installation for a new structure, tying into an existing line still in service.
 - C. New Installations: For new side sewer installations on undeveloped properties a stub inspection must be conducted prior to installation. If the stub is found to be defective or non-viable, it shall be replaced or relined as required by the District.
 - D. Capping: A capping permit is required before disconnecting a property from sewer service due to uninhabitability or prior to demolition.

5. Permit Form and Fees

- 5.01 Permit Form: Before any permit is issued, all required fees must be paid in full to the District. A sample Side Sewer Permit is attached hereto as Exhibit "A" and incorporated by reference. The District may update or revise the permit form at its discretion to reflect changes in law, policy, or procedures.
- 5.02 Right-of-Way (ROW) Permit Fees: If any portion of the work occurs within a public right-of-way, or if private property work impacts the right-of-way, a ROW permit shall be required and subject to an additional fee.
- 5.03 Additional Inspection Fees: The District may assess additional inspection fees in the following circumstances:
- A. Complex Site Conditions: Where deep excavations, unstable soil conditions, or other factors require an inspector to be onsite for extended periods or during pipe backfilling.
 - B. Repeat Inspections: Where additional inspections are required due to poor workmanship, noncompliance with District Regulations, or failure to follow approved permit plans.
 - 1. Such additional inspection fees shall be paid by the property owner or contractor, as determined by the District.

6. Registered Side Sewer Contractor

- 6.01 Insurance Requirements: All contractors performing work within the District must maintain minimum insurance coverage as outlined below. Insurance must be provided by a carrier with a minimum A.M. Best rating of A- or higher. Proof of insurance must be submitted to the District in the form of a valid Certificate of Insurance, which must include:

- A. The District named as an additional insured.
- B. Notice of at least thirty (30) days prior to cancellation or material change in coverage.
- C. Work Within the Right-of-Way:
 - 1. General Liability Insurance:
 - Each Occurrence: \$2,000,000
 - Aggregate: \$2,000,000
 - 2. Automobile Liability Insurance:
 - Combined Single Limit: \$2,000,000
or
 - Bodily Injury (per person): \$2,000,000
 - Bodily Injury (per accident): \$2,000,000
 - Property Damage: \$2,000,000
- D. Work on Private Property:
 - 1. General Liability Insurance:
 - Each Occurrence: \$1,000,000
 - Aggregate: \$1,000,000
 - 2. Automobile Liability Insurance:
 - Combined Single Limit: \$1,000,000
or
 - Bodily Injury (per person): \$1,000,000
 - Bodily Injury (per accident): \$1,000,000
 - Property Damage: \$1,000,000

6.02 Contractor Registration Requirements: Contractors must meet the following to qualify for inclusion on the District's Side Sewer Contractor List:

- A. Maintain current registration as a general contractor with the State of Washington.
- B. Submit proof of insurance naming the District as an additional insured (per Section 6.01).
- C. Renew registration annually with the District by January 31st.
- D. Comply with all District, state, and federal laws, regulations, and codes applicable to side sewer work.

6.03 Indemnification: All contractors and property owners must execute an indemnity agreement holding the District harmless from any and all claims, losses, or damages arising from work performed under these Regulations.

- 6.04 Plumbing Contractors: Plumbing contractors are prohibited from connecting any side sewer to the District's system unless they are registered as Side Sewer Contractors or are working in coordination with one who is.
- 6.05 Contractor Responsibility for Employees: Contractors shall be fully responsible for the actions of their employees at all times, including any acts done without the direct supervision of the contractor. Contractors must:
- A. Ensure compliance with applicable federal, state, and local safety laws (including OSHA and WISHA).
 - B. Take necessary precautions to protect workers, homeowners, pedestrians, pets, and adjacent property during all phases of construction.
- 6.06 Responsibility to Property Owner: Before commencing work, the contractor shall:
- A. Confirm the scope, schedule, and completion conditions with the property owner.
 - B. Agree in writing on how the property will be restored upon completion.
 - C. Notify the District of any agreements made with property owners for work conducted on private property.
 - D. The contractor shall take reasonable care to protect all surrounding areas and prevent damage to neighboring properties.

7. Right-of-Way Work

- 7.01 Construction Requirements:
- A. No person shall install stub sewers or make connections to District sewers within a public or private right-of-way unless:
 - 1. They are registered with the District pursuant to Section 6; and
 - 2. They comply fully with these Regulations and all applicable agency requirements.
 - B. All work conducted within the public right-of-way must also:
 - 1. Follow the standards of the jurisdiction having authority over the right-of-way (e.g., city, county, or state).
 - 2. Be accompanied by a copy of the valid Side Sewer Permit and/or Right-of-Way Permit posted at the job site.
 - 3. Include prior notification to the District and applicable agencies of the proposed schedule.
 - C. If a contractor receives notice that specific corrective work is required and fails to perform it, the District may complete the work and bill the responsible party.
- 7.02 Site Protection and Public Safety:

- A. Any excavation in or near a public right-of-way must be properly protected at all times. The contractor is responsible for:
 - 1. Installing fencing, barriers, and lighting around open trenches.
 - 2. Implementing traffic control per an approved traffic control plan, which must be kept onsite.
 - 3. Complying with Occupational Safety and Health Administration (OSHA) and Washington Industrial Safety and Health Act (WISHA) safety standards.
- B. Failure to meet these requirements may result in the District taking corrective action, with all associated costs charged to the contractor.

7.03 Property and Vegetation Protection:

- A. Construction work in any easement, right-of-way, or public/private property shall:
 - 1. Be confined to the permitted limits.
 - 2. Minimize disruption and prevent damage to adjacent property.
- B. Contractors shall not remove any trees, shrubs, or landscaping without prior notification to and consent from the property owner or responsible public agency. Any removed vegetation must be restored to an equal or better condition, subject to approval by the owner and the District.
- C. All agreements with property owners must be made in writing and submitted to the District prior to starting work.

7.04 Road Cuts: All cuts in paved roads or streets must comply with the standards of the agency having jurisdiction. All cuts must be:

- A. Repaired on the same day they are made.
- B. Patched with hot mix asphalt (HMA) or cold patch material before the contractor leaves the site.

7.05 Worker and Pedestrian Safety: Contractors shall ensure full compliance with safety laws and regulations, including OSHA and WISHA standards. Additional requirements include:

- A. A state-certified flagger must be onsite during any work in the public right-of-way.
- B. The contractor must ensure safety for workers, pedestrians, residents, and all persons in the work area.

7.06 Re-Registration and Violations:

- A. Removal from Side Sewer Contractor List: A contractor who performs unauthorized work – such as beginning construction within the right-of-way without required permits – will be immediately removed from the District's Side Sewer Contractor List.

1. To be re-registered, the contractor must pay a re-registration fee of \$1000 at the time of application.
- B. Conditions of Reinstatement: If re-registration is denied, the \$1000 fee will be refunded. If approved, the fee will be held as a performance bond to ensure compliance with District Regulations.
- C. If the contractor commits a second violation:
 1. The \$1,000 bond will be forfeited.
 2. The contractor will be removed from the Side Sewer Contractor List again.
 3. The contractor shall be ineligible for re-registration for at least one (1) year from the date of removal.
- D. The District reserves the right to reject any future application for registration based on prior performance.

8. Side Sewer Construction

8.01 Grade Requirements:

- A. Side sewers shall be installed with the following minimum slopes:
 1. 6-inch pipe: Minimum 2% (2 feet per 100 feet); 1% (1 foot per 100 feet) may be permitted with District-approved variance.
 2. 4-inch pipe: Minimum 2% (2 feet per 100 feet).
 3. Maximum grade: 100% (1 foot vertical per 1 foot horizontal).
- B. Where the slope exceeds 20%, stabilization measures are required to prevent movement. If slope exceeds 100%, only approved pipe materials such as Lock Tite ductile iron pipe or HDPE may be used.

8.02 Location Relative to Structures:

- A. For new construction:
 1. Side sewers shall not be laid less than 24 inches from a foundation wall.
 2. Where no foundation wall exists, a 30-inch minimum clearance from any footing, piling, or structural support is required.
 3. Variances may be granted by the District for existing structures that cannot meet this requirement.

8.03 Depth Requirements:

- A. Minimum depth at the property line: 60 inches.
- B. Minimum depth on private property: 18 inches.

- C. For sewers running parallel to the property line: Maintain at least 60 inches of cover.
 - D. All depth measurements are based on the established grade of existing improvements.
- 8.04 Grade Determination: The applicant is responsible for determining available slope and topography between the structure's plumbing outlet and the connection point (stub or tee).
- 8.05 Pipe Sizing:
- A. Single-family residence: Minimum 4-inch diameter.
 - B. Two to four houses or up to 10-unit multi-family: Minimum 6-inch diameter.
 - C. Larger connections: Require 8-inch pipe with manholes and appropriate appurtenances, subject to District approval.
- 8.06 Approved Fittings and Cleanout Locations:
- A. Bends and Cleanouts:
 - 1. All changes in direction shall use long-radius fittings, such as:
 - 1/8 bend (45°).
 - 3/32 bend (30°).
 - 1/16 bend (22.5°).
 - 1/32 bend (11.25°).
 - 2. A cleanout shall be installed at the next angle beyond a 45° bend, or at any point where the cumulative deflection exceeds 45°.
 - 3. Cleanouts shall also be installed within 24 inches of the building foundation or as otherwise directed by the District.
 - 4. All cleanouts shall be brought to finished grade and fitted with a locking cap or enclosed within a locking box approved by the District.
 - B. Fittings:
 - 1. All fittings shall be SDR 35 PVC or equivalent.
 - 2. Strongback-type flexible couplings and adapters are the only flexible fittings permitted.
 - 3. All fittings shall be installed in accordance with manufacturer specifications and District standards.
 - C. Size Transitions: When transitioning from a larger to a smaller diameter pipe, a cleanout of the larger diameter shall be installed at the point of transition.

D. Waterfront Properties / Hydraulic Gradient Areas:

1. Cleanouts shall be installed a minimum of two (2) feet above the high-water elevation.
2. The riser shall terminate within 12 inches of finished grade and be fitted with a watertight cap or other approved cover.

8.07 Test Tee Installation:

- A. On non-waterfront properties, the first length of pipe inside the property line must include a vertical tee for pressure testing. If site conditions (e.g., walls or steep grades) prevent placement inside the property, the test tee may be placed just outside the property line.
- B. The tee must be capped and blocked after successful testing.

8.08 Manholes:

- A. 4-inch side sewers over 100 feet, or
- B. 6-inch side sewers over 150 feet may require a 48-inch manhole or a District-approved cast riser cleanout cover, as determined by the District.

8.09 Trenchless Repair Methods:

- A. Approved Methods: Pipe lining and pipe bursting are allowed for repairs using compatible materials.
- B. Pipe Lining Requirements:
 1. Pre-installation video inspection (submitted on USB) is required before issuance of a repair permit.
 2. Existing pipe must be thoroughly cleaned and prepared per manufacturer's recommendations.
 3. A District inspector will perform a post-installation video inspection to verify 100% functionality.
- C. Pipe Bursting Requirements:
 1. Pre-installation video inspection is required.
 2. Pipe must be free of sags and offsets.
 3. After bursting, the pipe must rest for at least 24 hours (or longer, per manufacturer) before final connection is made.

8.10 Grease, Oil, and Sand Interceptors:

- A. Grease, oil, and sand interceptors shall be required for facilities discharging wastewater that contains:

1. Grease or oil in quantities likely to cause sewer line obstruction.
 2. Flammable or harmful substances.
 3. Excessive sand or sediment.
- B. Interceptors are not required for private residences. All interceptors must:
1. Be of a type and capacity approved by the District.
 2. Be located to allow easy access for cleaning and inspection.
 3. Be properly maintained by the property owner at their own expense.
 4. Be operated in compliance with all applicable District resolutions.
- 8.11 Backwater Valves:
- A. Backwater valves (or backflow prevention devices) are required:
1. For all pump systems.
 2. For connections to force mains.
 3. In locations identified by the District as having potential for backflow risk.
- B. The District may require installation in additional situations to protect public health and sewer infrastructure.
- 8.12 Dog Kennels: Dog kennels may connect to the District's sewer system subject to the following conditions:
- A. Approval from the District is required.
 - B. The kennel must be fully covered to prevent stormwater intrusion.
 - C. A concrete or asphalt floor must be installed.
 - D. A P-trap must be included for odor control.
- 8.13 Grease Traps: Grease traps are required for restaurants and other facilities discharging grease-laden wastewater, as specified in applicable District resolutions and standards.
- 8.14 Mobile Homes: Trailer and mobile homes must have sewer connections that comply with all applicable local plumbing and building codes.
- 8.15 Trailer Dumps:
- A. Trailer dump stations must:
1. Be constructed with a watertight concrete dish to prevent leakage.
 2. Include an approved locking cover to prevent unauthorized access.

- 8.16 Septic Tanks and Cesspools: All connections to existing septic tanks, cesspools, or privy vaults must be:
- A. Removed and replaced with a direct connection to the building outlet.
 - B. Accompanied by pumping, disinfection, and proper backfilling of the septic system.
- 8.17 Water and Electrical Line Separation: Side sewers shall not be installed:
- A. Within 10 horizontal feet or 2 vertical feet of a water or electric line.
 - B. In any way that interferes with a potable water supply.
- 8.18 Inside Drops: Inside manhole drops may be permitted only with District approval. Requirements include:
- A. Submission of detailed plans for review.
 - B. Minimum of 5 feet of vertical drop from manhole bench.
 - C. Drops are not permitted through the cone or reducer sections.
- 8.19 Pump Systems: Where gravity service is not feasible, a pump system may be authorized at the sole discretion of the District, subject to Board approval.
- A. Single-Family Residences:
 - 1. Each unit must have an individual pump system.
 - 2. Minimum standards: 2-inch solids handling capacity or grinder pump.
 - 3. Approved models include: Environmental-One DH071/DR071 or Barnes EcoTRAN Omni Grind Plus.
 - 4. A 300-gallon minimum holding tank is required.
 - B. Multi-Family and Commercial:
 - 1. Must be designed by a licensed professional engineer.
 - 2. Subject to District review and approval.
 - 3. STEP systems may be considered on a case-by-case basis.
- 8.20 Pipe Laying Standards:
- A. All side sewers must be laid:
 - 1. With the bell end facing upgrade.
 - 2. Firmly bedded along the full barrel length.
 - 3. Free from foreign materials (soil, debris, water) at time of connection.

B. All joints must be:

1. Properly aligned and joined per manufacturer specifications.
2. Lubricated and sealed as required.
3. Connected using strongback rubber/plastic adapters only (donut-style fittings are prohibited).

8.21 Excavation Safety: No person shall leave any excavation related to sewer construction unguarded. Appropriate safety fencing and barriers must be installed to protect the public and prevent accidents.

8.22 Protection of District Property: No person shall break, damage, alter, tamper with, or otherwise interfere with any component of the District's sewer system, including but not limited to pipes, manholes, appurtenances, and related equipment.

9. Pipe Specifications

9.01 Pipe Standards: Unless otherwise specified or approved by the District, all side sewer piping shall be constructed of one of the following materials, meeting the latest applicable standards:

A. PVC Pipe:

1. ASTM D3034 SDR 35, 4-inch and 6-inch diameter.
2. Minimum wall thickness per standard.

B. Schedule 40 or Schedule 80 PVC Pipe (for use on private property only – not in Right-of-Way):

1. ASTM D1785.
2. Fittings: ASTM D2466 (Schedule 40), ASTM D2467 (Schedule 80).

C. Ductile Iron Pipe:

1. ANSI A21.41 (AWWA C151), Class 50 minimum.

D. High-Density Polyethylene (HDPE):

1. SDR 11, SDR 17, or SDR 21.

E. PVC C900:

1. Minimum DR 25.
2. All ASTM specifications must be the most recent editions.
3. Installation and joining methods must follow manufacturer recommendations.

9.02 Pipe Bedding:

- A. Bedding material must be 5/8-inch minus crushed rock. The following bedding depths are required:
 - 1. Minimum 6 inches below the pipe.
 - 2. Minimum 6 inches above the pipe.
 - B. All bedding must be properly placed and compacted.
- 9.03 Pressure Sewer Pipe (1½-Inch or 2-Inch): For pressure systems (e.g., grinder pumps), acceptable pipe types include:
- A. PVC SDR21 (200 PSI):
 - 1. Type I, Grade 1, PVC 1120.
 - B. PVC Schedule 40:
 - 1. Type I, Grade 1, PVC 1120.
 - C. HDPE Pipe:
 - 1. ASTM D3035, SDR9 or SDR11.
 - D. Connections to exterior side sewers shall only be made using manufactured adapters—grouting is not permitted.
- 9.04 Sewers in Hydraulic Gradient Areas: In areas near lakes, streams, or other water bodies:
- A. Side sewers must be constructed of welded HDPE or ductile iron.
 - B. This applies to the section of pipe located between the waterfront connection and a point two (2) feet above the maximum hydraulic gradient level (based on emergency overflow conditions).
- 9.05 Sewers on Steep Bluffs:
- A. Side sewers may be installed above ground on steep slopes only when:
 - 1. A written request is submitted to the District.
 - 2. A site inspection and approval have been completed.
 - 3. All alternatives have been evaluated and deemed infeasible.
 - B. Approved pipe types for steep bluff installations:
 - 1. Restrained joint ductile iron.
 - 2. Butt-fused HDPE.
 - C. Erosion and slope stabilization must be addressed with approved methods such as:

1. Treated wood “hill holders”.
2. Erosion control blankets.
3. Hydro-seeding, straw mulching, or plantings.

10. Inspections

10.01 Inspection Requirements:

- A. No portion of a sewer line may be covered or backfilled until it has been inspected and approved by the District. The contractor or property owner must:
 1. Provide the District with at least 24 hours’ notice when the work is ready for inspection.
 2. Keep the work area accessible and safe for the inspector.
- B. If any portion of the work is backfilled prior to inspection, the District may require the trench to be reopened at the owner’s or contractor’s expense.
- C. The District reserves the right to access and inspect all plumbing outlets, side sewers, and connections at reasonable times to verify compliance with these Regulations.
- D. In the case of work by a Registered Side Sewer Contractor, the contractor or a qualified representative must be onsite to assist with inspection and testing.

10.02 Materials and Workmanship:

- A. The District shall inspect all materials and workmanship to ensure compliance with:
 1. These Regulations.
 2. Applicable plumbing and building codes.
 3. Manufacturer installation specifications.
- B. Defective or substandard work shall be removed and corrected at the expense of the contractor or property owner.

10.03 Testing Requirements:

- A. All side sewer repairs and new installations 10 feet or longer must pass a leakage test for either water or air tightness:
 1. Tests shall be conducted in the presence of a District representative.
 2. Test duration: 5 minutes.
 3. Result: No drop in water level or air pressure is permitted.

- B. The District will determine the specific testing method (e.g., hydrostatic or air) based on field conditions and material type.

10.04 Nonconforming Installations: Nonconforming installations are not permitted without express written approval from the District.

- A. If granted, the District may require the applicant to execute a waiver, indemnification, or other form of release
- B. Unauthorized work may be capped, removed, or corrected by the District, with costs—including penalties and time/materials—charged to the responsible party

11. Taps to District Sewers

11.01 Video Inspection Requirement:

- A. Before and after any direct tap into a District mainline – or any construction activity within the public right-of-way – a video inspection of the mainline shall be required to:
 - 1. Confirm the existing condition of the sewer main.
 - 2. Document any changes or damage before and after work is performed.
- B. The contractor or property owner shall pay a video inspection fee at the District's current hourly rate.

11.02 Prohibited Connections:

- A. The following connections are strictly prohibited:
 - 1. Direct connections to existing tees in ULID #1 or ULID #2.
 - 2. Taps into asbestos cement (AC) or concrete mainlines.
- B. These prohibited connections are not permitted under any circumstance due to the potential for system damage and regulatory noncompliance.

11.03 Tapping into the Mainline:

- A. When no existing tee or stub-out is available, a tap into the mainline may be made only by a Registered Side Sewer Contractor and must comply with the following:
 - 1. Use of an approved Romac-style saddle fitting or another District-approved method.
 - 2. Grouting in a tee or wye is strictly prohibited.
 - 3. All taps must be performed in a careful and controlled manner to avoid mainline damage.
 - 4. If any portion of the sewer main is broken during the tap, it must be replaced in full by the contractor at no cost to the District.

- B. All methods and materials must be pre-approved and inspected by the District before backfilling.

11.04 Protection of Sewer Main: Contractors shall take all necessary precautions to protect the sewer main, tee, or stub-out during excavation and trenching activities. Any damage caused during such activities must be repaired by the contractor, subject to District approval and inspection.

12. Side Sewer Repair and Root Problems

12.01 Permit Requirement: All repairs to side sewers or stub sewers require a valid Side Sewer Permit issued under Section 4 of these Regulations. Unauthorized work is prohibited and subject to the enforcement provisions of Section 7.06.

12.02 Inspection and Testing of Repairs:

- A. All side sewer or stub sewer repairs shall be:
 - 1. Inspected by the District in accordance with Section 10.
 - 2. Tested for watertightness per the standards outlined in Section 10.03.
- B. Failure to notify the District for inspection or to comply with testing requirements may result in the need to expose completed work at the contractor's or owner's expense.

12.03 Timely Repairs:

- A. If a side sewer is found to be defective or in need of repair, the District shall notify the property owner in writing. The owner must complete repairs within thirty (30) days of the notice date, unless a shorter timeline is specified due to:
 - 1. Health and safety risks.
 - 2. Environmental hazards.
 - 3. Imminent property damage.
- B. In the event the owner fails to take timely action, the District may proceed under the provisions of Section 12.05.

12.04 Root Intrusion and Obstruction:

- A. If tree or shrub roots from private property are causing blockages or damage to the District's sewer system, the District may take one or both of the following actions:
 - 1. Direct Notification to Property Owner: Issue written notice requiring the owner to abate the nuisance by removing the offending vegetation or resolving the root intrusion within thirty (30) days.
 - 2. Agency Intervention: Request that the applicable city, county, or municipal agency take action under their own vegetation management or public nuisance authority.

- 12.05 District Remedies for Noncompliance: If a property owner or other responsible party fails to comply with the District's repair or abatement requirements, the District may:
- A. Initiate legal action to compel compliance.
 - B. Perform the repair or removal and recover all associated costs from the property owner.
 - C. Pursue additional legal remedies, including recovery of:
 - 1. Administrative expenses.
 - 2. Legal fees and court costs.
 - 3. Damages to District infrastructure or service interruption penalties.

13. Discharge to Sewers

13.01 Prohibited Discharges: Stormwater and Other Waters:

- A. No person shall discharge, cause, or permit the discharge of any of the following into the District's sewer system:
 - 1. Stormwater.
 - 2. Surface water.
 - 3. Groundwater.
 - 4. Roof runoff.
 - 5. Subsurface drainage.
 - 6. Septic tank effluent or contents.
- B. The following specific sources are prohibited from direct or indirect connection to the sanitary sewer system:
 - 1. Subsoil foundation drains.
 - 2. Footing drains.
 - 3. Window well drains.
 - 4. Door well drains.
 - 5. Yard drains.
 - 6. Unroofed basement floor drains.
 - 7. Overflows from unpolluted water storage tanks or cisterns.

8. Clear water from refrigeration, air conditioning, or heat pump systems (except periodic cleaning or draining, as approved).
9. Roof drains or downspouts exposed to precipitation.
10. Surface or underground waters from any source.
11. Septic tanks, cesspools, or privy vaults.

13.02 Prohibition Against Overloading the System:

- A. No person shall discharge a volume or rate of flow that could, in the judgment of the District, overload or impair the performance of the sewer system. This includes:
 1. Uncontrolled or unauthorized pool drainage.
 2. Large-volume discharges without prior written approval.
 3. Flows likely to cause surcharge, backflow, or system disruption.
- B. Controlled discharges of high-volume sources (e.g., swimming pools, flushing systems) may be allowed only under conditions approved and monitored by the District.

13.03 Prohibited Substances:

- A. Unless otherwise authorized in writing by the District, the discharge of the following substances into the sewer system is strictly prohibited:
 1. High-Temperature Liquids: Liquids or vapors exceeding 140°F (60°C).
 2. Flammable or Explosive Materials: Gasoline, oils, paints, solvents, naphtha, fuel oils, or any other volatile, combustible, or explosive substances.
 3. Obstructive Solids: Ashes, cinders, sand, mud, straw, metal, wood, rags, feathers, plastics, glass, grease, tar, or other materials capable of causing clogs or interference with operations.
 4. Toxic or Hazardous Waste: Any waste containing substances regulated as toxic, hazardous, or otherwise injurious to human health, sewer infrastructure, or treatment plant operation.
 5. Corrosive Substances: Waste with a pH below 5.5 or above 9.0, or otherwise corrosive to pipes, pumps, or structures.
 6. Excess Suspended Solids: Waste containing suspended solids that are either unusual in character or exceed 250 mg/L, requiring special handling.
 7. Noxious or Malodorous Substances: Any discharge that creates a public nuisance, emits strong odors, or poses a risk to public health or District personnel.

8. Improperly Shredded Garbage: Garbage that has not been reduced to pieces less than ½ inch in any dimension.
9. Disposable Products: Plastic or paper items such as cups, plates, utensils, napkins, or containers.
10. Grease or Oil: Animal or vegetable fats, oils, or greases exceeding 100 mg/L.
11. Biochemical Oxygen Demand (BOD): Discharges with BOD exceeding 300 mg/L, unless otherwise approved by the District.

13.04 Sampling and Analytical Methods:

- A. All tests, measurements, and analyses of discharged waste shall be conducted in accordance with the latest edition of Standard Methods for the Examination of Water and Wastewater (APHA/AWWA/WEF).
- B. Unless otherwise specified, samples shall be collected from:
 1. The sampling manhole, if one exists.
 2. The nearest downstream District manhole from the connection point, if no sampling manhole is available.

13.05 Sampling Manhole Requirement: Where deemed necessary by the District for monitoring or enforcement purposes, the District may require the property owner to install a 48-inch diameter sampling manhole, accessible at all times for inspection, testing, and sampling.

13.06 Enforcement and Liability: Any person or entity found in violation of this section shall be liable to the District for:

- A. All costs of response, investigation, and remediation.
- B. Any penalties, damages, or fines incurred by the District as a result of the noncompliant discharge.
- C. Potential civil or criminal penalties, as provided by law.