

**RESOLUTION NO. 104-6**

**BUILDING SEWER CONNECTIONS**

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SOUTH DAVIS SEWER DISTRICT  
BUILDING SEWER CONNECTIONS

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## RESOLUTION NO. 104-6

### BUILDING SEWER CONNECTIONS

This Resolution identifies the detailed standards which are to be used by developers, engineers, construction contractors and others in designing, bidding and construction building sewer connections which are to be connected to the sewer collection system of the South Davis Sewer District.

It is deemed advisable to establish recommended and mandatory standards so that the design and construction of building sewer connections will be of good, consistent, quality workmanship and materials. This will help provide for maximum life of all building sewer connections and District owned collection lines as well as provide for ease of maintenance of these sewer systems and comply with the requirements of the Utah Plumbing Code where applicable.

This Resolution cancels Resolution No.'s 17, 104, 104-1, 104-2, 104-3, 104-4 and 104-5 as well as any former Board Minutes or District Resolutions which are different from or contrary to the intent of this Resolution.

The invalidity of any section, clause, sentence or provision of this Resolution shall not affect the validity of any other part of this Resolution which can be given effect without such invalid part or parts.

This Resolution shall take effect upon its passage, approval and recording of the District as provided by law.

PASSED AND ADOPTED by the Board of Trustees of the South Davis Sewer District, State of Utah, on the 18<sup>th</sup> day of September, 2014.

  
Chairman, Board of Trustees

  
Clerk



## RESOLUTION NO. 104-6

### BUILDING SEWER CONNECTIONS

#### A. APPLICATION AND FEES (Mandatory for Applicant/Contractor)

Prior to any excavation for the installation of a building sewer (lateral) to the collection facilities of the District, the following requirements must be met:

1. A building sewer application shall be completed and submitted to the District for approval for each connection to District collection lines.
2. The required fees shall be paid.
3. A permit to work in the road right-of-way shall be obtained from Davis County for County roads, from the appropriate City for City streets and an Encroachment Permit will be required from the Utah Department of Transportation (UDOT) if the connection is in a State roadway.

#### B. PIPE MATERIAL, DESIGN AND INSTALLATION (Mandatory for Applicant/Contractor)

1. The following sewer pipe materials are allowed:
  - (a) PVC plastic sewer pipe per ASTM D1784 that meets the dimensional, chemical and physical requirements outlined in ASTM D3034 and has an SDR of 35.0. Pipe color shall be green only. Pipe joints shall be of the bell and spigot type with the bell an integral part of the pipe wall section. The rubber gasket shall be of solid cross-section, factory assembled, and securely locked in place to prevent displacement. The rubber gasket shall conform to ASTM F477.
  - (b) ABS composite and solid wall pipe made to Schedule 40 iron pipe sizes (IPS) per ASTM F628. All fittings shall be installed in accordance with the manufacturer's specifications.
2. The following devices shall be used when connecting a building sewer to the main line (nose-on connections):
  - (a) For connections to an existing main ten (10) inches or larger, the connection shall be made using an inserta-tee fitting. Connections shall be core-drilled. Inverts of new laterals must clear the high water line of the existing main at the connection.

- (b) For connections to an existing six (6) or eight (8) inch PVC main, the connection shall be made by splicing a factory tee into the main using slip/repair couplings. Fernco type couplings are not permitted.
  - (c) For connections to an existing six (6) or eight (8) inch concrete or vitrified clay main, connection shall be made using an inserta-tee.
  - (d) Building sewer connections to any other type of pipe shall be approved by the District on a case-by-case basis.
- 3. When connection is made to a stub line, the Applicant shall work with the District to verify that the stub is connected to the sewer main line and ensure the stub line is open and free of obstructions.
  - 4. The building sewer shall run in a practical alignment and at a uniform slope of not less than one-quarter (1/4) inch per foot or two (2) percent toward the point of disposal provided that, where it is impractical due to the depth of the street sewer or to the structural features or the arrangement of any building or structure to obtain a slope of one-quarter (1/4) inch per foot or two (2) percent, any such pipe or piping four (4) inches or larger in diameter may have a slope of not less than one-eighth (1/8) inch per foot or one (1) percent, when approved by the District.
  - 5. The minimum cover over the top of the pipe shall be three (3) feet.

C. CLEANOUT MATERIALS AND DESIGN (Mandatory for Applicant/Contractor)

Cleanouts shall be provided on the following basis:

- 1. A minimum of one (1) cleanout shall be provided, one to three (1-3) feet outside the building footings and foundation.
- 2. Cleanouts shall be spaced at intervals not to exceed one hundred (100) feet.
- 3. An additional cleanout shall be provided for each aggregate change of direction exceeding one hundred thirty-five (135) degrees.
- 4. Each cleanout shall be installed vertically above the flow line of the pipe using a wye fitting so that it opens to allow cleaning in the direction of flow of the waste. The riser pipe shall extend to ground level at an angle perpendicular to the building sewer.
- 5. The District may require cleanouts at other locations as determined by the best professional judgment of District staff.

6. Each cleanout for an interceptor (grease trap, sand trap, etc.) shall be outside of the interceptor.
7. The upper end of each cleanout should terminate six (6) inches below finish grade, except in paved areas where termination should be at finish grade.
8. Each cleanout shall have a screwed brass or iron cap.

D. EXCAVATION AND PROTECTION  
(Recommended for Applicant/Contractor)

1. Proper barricades, warning signs and other safety precautions should be used during construction.
2. Water should be removed from the pipe laying area to ensure that quality work is being performed in laying of the pipe.
3. Sheeting, bracing and shoring should comply with the requirements of the State of Utah.
4. Other utilities should be protected. Any damage to utilities will be the Applicant's responsibility.

E. INSPECTION (Mandatory for Applicant/Contractor)

1. The building sewer shall be inspected by the District prior to backfill of any portion of the building sewer to ensure water tight connections.
2. Inspections shall be coordinated through the District's inspector and shall be performed during normal District business hours after all applicable fees have been paid.
3. The District's inspector may require a water test of the building sewer before acceptance to help ensure water tight connections.
4. If a building sewer is connected and buried without District inspection, refer to Resolution No. 110 for penalty assessment.
5. No groundwater shall be discharged to the District's facilities. Refer to Resolution No. 110 for penalty assessment.



F. BEDDING AND BACKFILLING (Recommended for Applicant/Contractor)

1. The bedding material should be three-quarter (3/4) inch minus gravel, well haunched. If the native material is sand, it may be used, well haunched.
2. Compaction requirements of the governing jurisdiction should be met in road rights-of-way.

G. RESTORATION OF SURFACE IMPROVEMENTS  
(Recommended for Applicant/Contractor)

1. All excess material should be cleaned up and removed from the site.
2. Curb and gutter, sidewalks, pavements, ditches, culverts, driveways, fences and planted areas should be restored to equal or better condition than the improvements that were removed.

H. RESPONSIBILITY/MISCELLANEOUS (Mandatory for Applicant/Contractor)

1. The District will provide the location of the end of the building sewer whenever such has been placed to the lot under District supervision. If the end of the building sewer cannot be located within five (5) feet of the location provided by the District, then the District will be responsible for the cost to find the end of the building sewer. The maximum amount of obligation by the District for this purpose will be \$1,000.00 per building sewer. The District does not guarantee that the depth or location of any building sewer will be serviceable for any given building.
2. The District will be responsible for the operation and maintenance of the main sewer collection facility (usually collection pipe eight (8) inch or over) in the public street or on a perpetual easement granted to the District. The District will also be responsible for the building sewer from the main sewer to the property line of the property being served in residential subdivisions where the District has supervised the installation of the sewer stub from the main to the property line. The District does not take responsibility for any of the building sewer in planned unit developments (PUD's), condominium or apartment complexes, or rented single family residences. The District does not take responsibility for building sewers in commercial developments. The building owner or user shall be responsible for maintenance and operation of the building sewer from the property line to the building being served in residential subdivisions. The District is not responsible for operation and maintenance of any building sewer installed without District inspection.

3. Gravity connection to main lines shall be a minimum of four (4) inch pipe size and shall be made with District approved nose-on fittings. Any larger size pipe must be approved in writing by the District. A manhole will be required when connecting a building sewer serving four (4) or more units in an apartment, condominium complex, etc. to the District's main line.
4. Pumping or other systems necessary to cause the sewage to arrive at District owned collection lines shall be the responsibility of the building owner or user for installation, operation and maintenance. Each pressure connection to the District owned collection system must be approved in writing by the District prior to granting connection approval.

I. SHARED BUILDING SEWERS (Mandatory for Applicant/Contractor)

In accordance with Resolution No. 105, as amended, it is the policy of the District that a separate and independent building sewer or service lateral be provided for each single "living or building" unit connected to the public sewer. In residential subdivisions, the District may grant an exception if the Applicant requests in writing that two (2) or more units be connected to the same building sewer. If approved by the District, a Notice of Warning (Building Sewer Standards Waiver) document shall be recorded at the Office of the Davis County Recorder before connection is made to the sanitary sewer. Any and all fees associated with recordation of the Notice of Warning shall be paid by the Applicant to the District at signature and execution. District approval of a shared building sewer does not release the Applicant from meeting all other District requirements for making connection to the sanitary sewer.

In commercial developments, the commercial owner and commercial owner's successors and assigns are solely responsible for installation, repair, maintenance and replacement of the building sewer. Accordingly, use of shared building sewers is at the discretion of commercial owners, though it is highly discouraged by the District. Commercial owners are urged to disclose the use of shared building sewers to their successors and assigns and to any entity or person acquiring, renting, leasing or owning an interest in all or any part of a commercial property. In no case shall the District incur any loss, cost, damage, liability, claim or expense whatsoever arising or resulting from the use of shared building sewers in commercial developments.