

SECTION 1 – GENERAL

1.1. PURPOSE

These specifications set forth District regulations, engineering, design, materials specifications and construction procedures for all sewer facilities intended to become a part of the District System, and for privately owned sewer facilities connected thereto, to the extent regulated hereby. These Specifications are available for review or download free of charge from the District's website www.southgatedistricts.org.

All sanitary sewer systems shall comply with the requirements of these *Sanitary Sewer System Specifications* and may include special criteria established by the District. Special criteria shall be outlined at pre-design meetings and during the review process, as determined necessary by the District.

1.2. DISTRICT SERVICE AREA

The Southgate Sanitation District Service Area consists of approximately 10,200 acres located in both Douglas and Arapahoe Counties, Colorado. Generally, the District is located south of Belleview Avenue and west of Interstate Highway I-25. The District's Service Area is more particularly shown on the District Service Area Map found on the preceding page.

1.3. AUTHORITY

These Specifications shall be administered by the District, and all matters involving the interpretation and enforcement hereof shall be finally determined by the District.

1.4. REVISIONS

These Specifications are effective as of June 2016. Revisions to these Specifications may be made from time-to-time by the District and shall be in effect at the date of issuance by the District. Any person using these Specifications should contact the District for information relative to revisions.

1.5. DEFINITION OF TERMS

As used in these Specifications and the District Rules and Regulations, unless the context clearly indicates otherwise, the words defined below shall have the respective meanings set forth for them:

1.5.1. ACTUAL COSTS

Actual Costs comprise all direct and indirect costs attributable to any project or undertaking. Actual costs to the District shall include its engineering, legal, labor, material, equipment, administrative, and overhead expenses, calculated in accordance with the rates set forth in the Rules and Regulations, and all direct payments to third parties, at cost.

1.5.2. BOARD OR BOARD OF DIRECTORS

The duly constituted Board of Directors of the District.

1.5.3. CONTRACTOR

Any person who performs any work, either for himself or another, on any sewer facilities, public or private, within the District, including all subcontractors, agents, employees, officers and other representatives of such person.

1.5.4. CONSTRUCTION PLANS

Plans and Specifications for the construction of a specific sanitary sewer system project which have been reviewed and signed by the District.

1.5.5. DISTRICT

The Southgate Sanitation District, Arapahoe and Douglas Counties, Colorado, its employees, agents, officers, directors, insurers, and professional consultants.

1.5.6. DISTRICT ENGINEER

The District's Staff Engineer.

1.5.7. DISTRICT MANAGER

The Manager of the Southgate Sanitation District appointed by the Board of Directors, or any other person duly authorized to perform the duties of the District Manager.

1.5.8. DISTRICT SYSTEM

Facilities, systems, assets, and appurtenant property rights owned or directly controlled by the District, but excluding all privately-owned sanitary sewer facilities.

1.5.9. ENGLEWOOD

The City of Englewood, Colorado, for itself and as operator and co-owner of the Littleton/Englewood Wastewater Treatment Plant.

1.5.10. FOREIGN MATERIALS

Objects or substances not appropriate for transmission by a sanitary sewage system, including, without limitation, paving or construction materials, debris, diapers, rags, wipes (whether marketed as flushable or non-flushable), mechanical parts, metals, furniture, clothing, rocks, dirt, trash, grease, oil, sand, and grass, bush, or tree clippings, or any other item or material as prohibited by the Littleton/Englewood Wastewater Treatment Plant.

1.5.11. MAIN OR SEWER MAIN

Those pipes and appurtenant facilities used for carrying wastewater along public streets or easements or rights of way deeded or licensed to the District.

1.5.12. MAIN EXTENSION

The construction of any facilities, or the facilities themselves, which are intended to become a part of the District System upon acceptance by the District in accordance with Article 6 of the Rules and Regulations.

1.5.13. PERMITTED PREMISES

The land area and improvements thereto to which sewer service is limited under any particular Tap/Service Connection Permit.

1.5.14. PERSON

Associations, corporations, firms, partnerships and bodies politic and corporate, as well as individuals.

1.5.15. PROPERTY OWNER/OWNER/DEVELOPER

All of these terms shall be synonymous with each other and shall mean any person who, whether solely or with others, owns real property within the District. When property is owned by more than one person, the term includes all owners thereof. As used in these Specifications, the term shall apply to such person only in connection with their ownership of any specific parcel of real property involved in any specific matter governed by these Specifications or Rules and Regulations.

1.5.16. RECORD OR AS-BUILT DRAWINGS

A separate set of full-scale construction plans marked to indicate completely and accurately the field-installed condition of facility construction as completed, as required by 3.11 of these Specifications.

1.5.17. RULES AND REGULATIONS

The comprehensive set of operating rules and requirements, as now or hereafter constituted, adopted by the Board of Directors for the purpose of regulating the design, construction, operation, maintenance, use, repair and replacement of the District System.

1.5.18. SERVICE LINES

Any sewer lines or portions thereof located upstream from the upstream end of the wye or saddle fitting on the District's Main, and intended or used to convey wastewater from Permitted Premises to the District System. Service lines are owned, operated, and maintained by the property owner.

1.5.19. SEWAGE

See Wastewater paragraph 1.5.24.

1.5.20. SWIMMING POOL DISCHARGE

Wastewater from any swimming pool carried by the District System, including swimming pool filter backwash effluent and water drained directly from the swimming pool itself.

1.5.21. TAP/SERVICE CONNECTION

The physical connection to a District Main which, together with the Tap/Service Connection Permit for same, effects sewer service to any Permitted Premises.

1.5.22. TAP/SERVICE CONNECTION PERMIT

The written authority to make a connection for sewer service to Permitted Premises from the District System.

1.5.23. USER

Any person who discharges or causes the discharge of wastewater to the District System.

1.5.24. WASTEWATER OR SEWAGE

The combination of the liquid and water-carried wastes from residences, commercial buildings, industrial plants and institutions, including polluted cooling water.

1.5.25. SANITARY WASTEWATER

The combination of liquid and water-carried wastes discharged from toilet and other sanitary plumbing facilities.

1.5.26. INDUSTRIAL WASTEWATER

The combination of liquid and water-carried wastes discharged from any industrial establishment and resulting from any trade process carried-on in that establishment, including the wastewater from pre-treatment facilities and polluted cooling water.

1.5.27. WASTEWATER UTILITY ORDINANCE

Chapter 2, Title 12 of the City of Englewood Municipal Code.

1.6. STANDARDS AND SPECIFICATIONS

These Specifications utilize and otherwise make reference to other Standards and Specifications. Where these references are made, they shall refer to the latest edition or revision thereof.

AASHTO	American Association of State Highway and Transportation Officials
ACI	American Concrete Institute
AISC	American Institute of Steel Construction, Inc.
ANSI	American National Standards Institute, Inc.
ASA	American Standards Association
ASTM	American Society of Testing Materials
ASCE	American Society of Civil Engineers
AWWA	American Water Works Association
OSHA	Occupational Safety Health Administration
UL	Underwriter s Laboratories
UNI	Uni-Bell Association
UPC	Uniform Plumbing Code

1.7. ABBREVIATIONS

BMP	Best Management Practices
CLSM	Controlled Low Strength Material
FPS	Feet Per Second
FOG	Fats, Oils, and Grease
GGI	Gravity Grease Interceptor
SOI	Sand/Oil Interceptor
GPD	Gallons Per Day
GPD/SF	Gallons Per Day Per Square Feet Developed Floor Space
L/E WWTP	Littleton/Englewood Wastewater Treatment Plant
N/A	Not Applicable
PF	Peaking Factor, or Peak Hour Factor
POGS	Petroleum Oil, Grease and Sand
PVC	Polyvinyl Chloride Pipe
SF	Square Feet Developed Floor Area
Single-Family	Detached Single-Family Residential Dwelling Owned
Multi-Family	Attached Single-Family Residential Dwelling Rented
Townhome	Attached Single-Family Residential Dwelling Owned