

DOMINION WATER AND SANITATION DISTRICT
STANDARDS AND SPECIFICATIONS FOR POTABLE WATER AND SANITARY SEWER,
2026 SUMMARY OF CHANGES

General

- Updated references of pretreatment from South Platte Renew to Appendix E.

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- Updated for April 2026 General Updates

Chapter 2

- Paragraph 2.01: Added reference for Appendix E for DWSD pretreatment standards and updated language for design review for commercial customers.

Chapter 4

- Paragraph 4.01-C.3.c: Added variance for horizontal separation if potable water line is above sanitary sewer or storm sewer line and minimum vertical separation of 18 inches is met.
- Paragraph 4.01-G.1: Added language “All tees and crosses 8” or larger have an isolation valve in all directions.” and “A fire service and a domestic service that serve the same unit can be independently isolated at the main, without disrupting supply to the other service line.”
- Paragraph 4.01-G.2.a: Updated language to “At intersections, valves shall be located at the extension of the first property line.”
- Paragraph 4.03-O: Replaced entire paragraph with new language for disinfection of water mains. Mainly, requiring a temporary flushing/testing connection.

Chapter 5

- Paragraph 5.01-E.6: Updated language to “The manholes will be located in the collection line after all process wastewater discharges from the building have been combined and prior to combining with domestic wastewater from this site, other dischargers or the public main.”
- Paragraph 5.02-A: Updated material requirements to “Pipe furnished shall have a DR ratio of 35 or 26. SDR 35 shall be used in applications with less than 1520 feet of cover. Applications where the pipeline is deeper than 15-20 feet deep, SDR 26 shall be used.”
- Paragraph 5.02-B: Updated material requirement to “C900 PVC pipe may shall be used where indicated for horizontal separation or bury depth deeper than 20 feet variances.”

- Paragraph 5.04-E: Updated language to include reference to Appendix E “Manholes for sanitary sewer service lines shall be required for the maintenance of the system purposes of monitoring or sampling in accordance with Appendix E, Chapter 5.”
- Paragraph 5.04-I: Updated language to include references and changes to Appendix E. Added specifications, sizing and design criteria for gravity grease interceptors and petroleum, oil, grease and sand separators.

Chapter 6

- Removed the following details:
 - SS-3: Grease Interceptor (320 to 1060 gallon capacity)
 - SS-4: Grease Interceptor (1565 to 3445 gallon capacity)
 - SS-5: Sand and Oil Interceptor (320 to 1060 gallon capacity)
 - SS-6: Sand and Oil Interceptor (1565 to 3445 gallon capacity)

DOMINION WATER AND SANITATION DISTRICT
STANDARDS AND SPECIFICATIONS FOR POTABLE WATER, AND SANITARY SEWER,
AND NON-POTABLE WATER
2025 SUMMARY OF CHANGES

General

- Removed references of ‘non-potable’ and ‘meters’ as they were removed from the scope of our specifications and details.

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- Removed Chapter 6: Non-Potable Water System Specifications, Chapter 8: Interim Standards for Rainwater Harvesting and Chapter 9: Sterling Ranch Community Authority Board Specifications.

Chapter 1

- Paragraph 1.05-F: Updated definition of Customer to “Any person, firm, corporation, association or agency who is authorized, or who desires, to obtain water and sewer services from DWSD.”
- Paragraph 1.05-G: Updated definition of DWSD to District/DWSD “Either term can be used to refer to Dominion Water & Sanitation District, their Successors or Assigns.”
- Paragraph 1.05-K: added definition for Engineer of Record “Licensed professional engineer who is in “responsible charge” of a project and whose seal and signature appear on the final construction documents.”
- Paragraph 1.05-O: Updated definition of Project to “A facility or portion thereof which is to be connected to the DWSD's facilities.”
- Paragraph 1.05-Q: Changed Utilities Director to Operations Manager.
- Paragraph 1.06: Added CDPHE “Colorado Department of Public Health and Environment” and WRF “Water Reclamation Facility” to abbreviations list.

Chapter 2

- Updated chapter to be called “Design Review” from “Application Procedure/Document Standards”
- Updated chapter so all documents are to be submitted electronically.
- Paragraph 2.01: Changed paragraph title from “Granting of Service” to “Design Review Process” and updated language to explain this process including a new step of requiring commercial customers with pretreatment to send construction drawings to South Platte Renew for review and approval.

- Paragraph 2.02: Removed.
- Paragraph 2.03: Changed paragraph title from “Engineering” to “Preparation of Construction Documents” and added language “Costs to revise the plans and inspections following rejected plans will be borne by the Customer.”
- Paragraph 2.04: Added references to Rules and Regulations.
- Paragraph 2.05-B: Removed language related to collecting a deposit if easement(s) cannot be prepared prior to approval of plans.
- Paragraph 2.06: Removed “DWSD Engineer will retain one set of these documents and one set will be returned to the Customer.”
- Paragraph 2.08: Added “DWSD may collect a fee to offset the costs of plan review, inspection and administration.” and removed “A list of fees can be found in the Rules and Regulations of DWSD and CAB.”
- Added new paragraph called Forms: “During the Service Application as outlined in Section 6.10 of the DWSD Rules and Regulations, any new connections to the DWSD water distribution system or sanitary sewer system shall be verified in the master hydraulic model. The Customer shall submit the following applicable form(s) to DWSD and are responsible for accommodating any design changes recommended by the model output.”
- Added two new forms to be filled out for new water and sanitary sewer connections.

Chapter 3

- Paragraph 3.01: Updated language to “This section applies to water and wastewater facilities that will connect to DWSD Wholesale Facilities, whether owned and operated by DWSD or a Customer. Utility systems connecting to DWSD Wholesale Facilities shall be constructed in accordance with these Standards and the Approved Documents. More detailed requirements for the construction of DWSD Wholesale Facilities will be found in the contract documents issued by DWSD.”
- Paragraph 3.02: Updated language to be construction specific and clarified DWSD will only operate valves owned by us.
- Paragraph 3.04: Added language “Contractor shall provide DWSD with a full list of submittals for the Project prior to construction. DWSD shall indicate which submittals require DWSD review.” Updated language for operation and maintenance.
- Paragraph 3.09: Added language “No connection shall be made to an existing main until all inspections have been performed and accepted by DWSD.” Clarified language for what is acceptable for connection to the sanitary and potable water system.
- Paragraph 3.12: Updated language to “Prior to connection to the DWSD system, DWSD will inspect and accept the work.”
- Paragraph 3.12-A: Changed paragraph title from “Pre-Warranty Inspections” to “Tests and Inspections” and updated language to add DWSD must be present for tests and

inspections, to be notified 48 hours prior. Removed tests required by Douglas County as County will provide guidance/inspections for those.

- Paragraph 3.12-B: Added paragraph for “Acceptance Inspection” and updated language for approval list and process.
- Paragraph 3.12-C: Added “Changes or addenda to the construction documents.” Removed requirement for Contractor to submit field books, notes and other data prior to initial acceptance. Updated language for AutoCAD file and ESRI Shape file required to be submitted.
- Paragraph 3.12-C: “Warranty Period” paragraph removed.
- Paragraph 3.12-D: “Warranty Repair Procedures” paragraph removed.
- Paragraph 3.12-E: “Final Acceptance” paragraph removed.

Chapter 4

- Updated all references for specific details to “Standard Details.”
- Removed all references to meters.
- Paragraph 4.01: Added language “When water distribution main specifications and details reference Denver Water Complete Engineering Standards and Capital Projects Construction Standards, the requirements listed in the most recent version of those Standards and Details shall apply. In the event of a conflict between the Denver Water Standards and these Standards, the District Engineer shall make the final interpretation.”
- Paragraph 4.01-A.1: Updated language for demand criteria from “minimum criteria” to “suggested planning criteria.”
- Paragraph 4.01-B.1: Updated minimum pressure criteria from 60 psi to 40 psi.
- Paragraph 4.01-C.3: Added language “Where water lines cross sanitary sewer lines, they shall be installed above sewers and laid to provide a vertical clear distance of at least 18 inches between the bottom of the water line and top of the sanitary sewer line. When a new water line crosses an existing sanitary sewer at a point less than 18 inches above the sanitary sewer, the District Engineer shall be notified and adjustments shall be made. Where a minimum separation of 18 inches and minimum cover of 5 feet cannot be maintained, it must go through the variance process. The sanitary sewer line shall be encased at the crossing.”
- Paragraph 4.01-C.3.b: Removed.
- Paragraph 4.01-H: Added language “All hydrants shall operate in an open right position (clockwise) only.” Removed language related to hydrants shall be owned and maintained by DWSD. Added language “Should the Retail Districts allow other uses for fire hydrants, they shall be metered.”
- Paragraph 4.01-I: Added language “Provide the ability to isolate the fire sprinkler line and backflow preventor.”
- Paragraph 4.01-L: Updated language to clarify where blowoff assemblies are required.

- Added paragraph for “Water Quality Sampling Stations” with the following language “Water quality sampling stations are used by DWSD for distribution system water quality testing throughout the system. The Contractor shall coordinate location and quantity with DWSD during plan approval. They are not intended to be placed on dead-end lines, but in easily accessible sites that are minimally disruptive to the public. Refer to the Standard Details.”
- Paragraph 4.03-B.1: Updated “District Engineer” to “Engineer of Record.”
- Paragraph 4.03-C: Updated “District” to “Engineer of Record” and clarified language.
- Paragraph 4.03-D.1: Added language “All pipe stored on site prior to installation shall be kept off the ground on footings to prevent stormwater from entering the pipe.” Added language for the variance process. Removed “The District Engineer who may require repairs or reject the pipe shall lay defective pipe or fittings aside for inspection.”
- Paragraph 4.03-H: Added language “No connection shall be made to an existing main until all inspections have been performed and accepted by DWSD.”
- Paragraph 4.03-J: Updated language for blowoff assembly installation.
- Paragraph 4.03-K: Updated “District Engineer” to “Engineer of Record.”
- Paragraph 4.03-N.1: Clarified language on who accepts and approves hydrostatic testing of water mains.
- Paragraph 4.03-O: Replaced entire paragraph with new language for disinfection of water mains.
- Paragraph 4.04-D: Added language “Fire service lines that supply sprinklers shall be sized by the appropriate fire department and the persons responsible for the structure it protects.”
- Paragraph 4.04-I: Updated “District personnel” to “the Customer.”
- Paragraph 4.06-J: Added language “DWSD shall be given no less than 48 hours prior notice for work planned to abandon a service line.”
- Paragraph 4.08-A: Removed “from a supply other than that of the District.”

Chapter 5

- Updated all references for specific details to “Standard Details.
- Removed references of DWSD Industrial Pretreatment Program.
- Removed all references to flow meters.
- Paragraph 5.01-B: Added maximum slope criteria to Table 5-1.
- Paragraph 5.04-G: Clarified/removed language regarding underdrain system connections and any exceptions.
- Paragraph 5.04-I: Added language “South Platte Renew is the publicly owned treatment works that receives DWSD wastewater, and as such performs plan reviews for sand/oil and grease interceptors prior to construction under their pretreatment program. See Chapter 6 of the DWSD Rules and Regulations for more information. Restaurants,

cafeterias and other food preparation facilities shall have a grease interceptor installed on the sanitary sewer service line.” Removed “submitted to the DWSD Engineer for approval.” Added South Platte Renew for pretreatment requirements.

- Paragraph 5.04-J: Removed “the sole responsibility of the Customer” with “detailed in the Inter Governmental Agreement between the Customer and DWSD.”

Chapter 7

- Paragraph 7.01: Added language “DWSD's Water System Details are a supplement to Denver Water Capital Projects Construction Standards.”
- Removed the following details:
 - WM-3: Thrust Box Detail
 - WM-6: Flange Lug Detail
 - WM-12: Air Valve Assembly
 - WM-16: Mechanical Joint Restraining Ring and Rodding
 - WM-17: Pipe Bedding Details – Water
 - WM-19: Water Mains at Sewer Crossing
 - WM-20: Polyethylene Wrap Installation
 - WM-21: Butterfly Valve Assembly
 - WM-22: Tracer Wire for PVC Potable or Non-Potable Water Main
 - WM-23: Drinking Fountain Double Check Valve Above Ground Install
 - WM-24: Drinking Fountain Double Check Valve Below Ground Install
 - WS-5: Residential – Meter Setting for ¾" and 1" Service
 - WS-7: Commercial Joint Fire Main-Water Service Installation Detail
 - WS-8: Commercial – Meter/Backflow for ¾" and 1" Service
 - WS-9: Commercial – Meter/Backflow for 1 ½" and 2" Service - Vertical Setting (1 of 2)
 - WS-10: Commercial – Meter/Backflow for 1 ½" and 2" Service - Vertical Setting (2 of 2)
 - WS-11: Commercial – Meter/Backflow for 1 ½" and 2" Service - Horizontal Setting
 - WS-12: Commercial – Meter/Backflow for 3" and Larger Service - Vertical Setting
 - WS-13: Commercial – Meter/Backflow for 3" and Larger Service – Horizontal Setting
 - WS-14: Irrigation – Meter/Backflow for ¾" and 1" Service
 - WS-15: Irrigation – Meter/Backflow for 2" and Larger Service
 - WS-16: Non-Potable – System Pressure Vacuum Breaker (Residential Use)
 - WS-17: Non-Potable – Typical Backflow Assembly
- Added the following details:
 - WM-25: Water Quality Sampling Station

- Updated the following details:
 - SM-1: Trench & Bedding Detail – Sewer
 - SM-2: Concrete Encasement Detail
 - SM-3: Manhole on Existing Sewer
 - SM-4: Manhole on New Sewer
 - SM-5: Internal Drop Manhole on Existing Sewer
 - SM-6: Internal Drop Manhole on New Sewer
 - SS-11: Typical Sanitary Sewer Service Location
 - WM-7: Standard for Temporary Blow-off Valve Installation
 - WM-8: Permanent Blowoff Installation
 - WM-10: Valve and Fire Hydrant Location Detail
 - WM-11: Typical Fire Hydrant and Assembly
 - WS-2: Residential – Typical Water Service Location
 - WS-4: Residential – Water Service Installation with Curb Stop Valve
 - WS-6: Commercial – Corporation Tap & Service Line Detail