

# **SEWER STANDARD NOTES**

Revised January 2022

1. All sanitary sewer pipe, materials, and manholes shall conform with current applicable American Public Works Association (APWA) and Washington State Department of Transportation (WSDOT) Standards and Specifications, City of Lynnwood (City) standard plans and plan notes, specifications, any conditions of approval and as approved by the director of Public Works. It shall be the sole responsibility of the applicant and the professional engineer of record to correct any error, omissions, or variation from the above requirements found in these plans. All corrections shall be at no additional cost or liability to the City.
2. Trench backfill for sanitary sewers shall be in accordance with City Standard Plan ST-TRE-3.
3. Compaction testing for trenches shall be per Grading Standard Notes.
4. All side sewers shall be installed per section 7-18 of the most current edition of the WSDOT Standard Specifications for Road, Bridge and Municipal construction.
5. Refer to water standard details specific to thrust restraint for any sewer force mains.
6. Sewer mains shall be PVC. Pipe that is 6-inch diameter or less shall be Standard Dimension Ratio (SDR) 35. Pipe 8-inch diameter and larger shall be SDR 26. All fittings shall be equivalent or stronger SDR rating.
7. All side sewers shall be installed as follows:
  - a) A 1.5 percent minimum uniform grade.
  - b) Lay space of 2 feet between bends, or as approved by the City Inspector.
  - c) All field bends not to exceed 2 inches per foot deflection.
  - d) Cleaning and testing per section 7-17.3(2) of the WSDOT Standard Specifications.
  - e) A 12-gauge tracer wire shall be installed as required by the City Public Works Inspector. Tracer tape is not an acceptable alternative to tracer wire. See detail ST-TRE-3 for wire and tape requirements.
  - f) All couplers, fittings, adapters, and connections shall be subject to the approval of the Public Works Inspector.
8. All vertical and horizontal control for construction staking shall be performed under the direction of a professional land surveyor or engineer. All construction staking shall be installed and verified for grade and alignment prior to the start of construction.
9. All connections to a new or existing sewer line shall be performed in a manner that will prevent any foreign materials from entering existing sewers.
10. Connections to sewer manholes shall be sealed with non-shrink grout or Kor-N-Seal® type

connections.

11. Septic systems shall be designed by a licensed septic designer or licensed professional engineer.
12. Decommissioning septic systems shall include the existing septic mound system, septic tanks, electrical, pumps, and pipes per Snohomish County, and Washington State building requirements. This includes abandoning septic tanks per Washington Administrative Code (WAC) 246-272a-0300. Electrical wiring and appurtenances shall be removed. Open ends of pipes and conduits shall be capped or plugged with non-shrink grout.
13. All abandoned sewer pipes shall be completely filled with controlled density fill. All sewer manholes shall be abandoned per WSDOT 7-05.3(2).
14. Submit an electronic video record of all newly constructed 8 inch and larger sewer mains to the City for review and approval. Acceptance of the sewer main is subject to City staff review and approval of the video.

Acronyms and Terms	Definition
APWA	American Public Works Association
WSDOT	Washington State Department of Transportation
City	City of Lynnwood
WAC	Washington Administrative Code