



Fountain Hills Sanitary District
16941 E. Pepperwood Circle
Fountain Hills AZ 85268
www.az-fhsd.gov
480-837-9444

NEW DEVELOPMENT SEWER DESIGN REVIEW AND CONSTRUCTION CHECKLIST

The following information is intended to be a guide for review and approval of public sewer intended to be accepted by the Fountain Hills Sanitary District (FHSD) for new development. Since each development/project is different, the Sanitary District reserves the right to request additional information to ensure a project is in compliance with all District requirements, regulations and approvals. The FHSD Facilities Design and Construction Standards, Fee Schedule, Rules and Regulations are available for download on the FHSD website. These documents should be reviewed prior to any submittals so that the developer is aware of all FHSD requirements.

SEWER DESIGN REVIEW AND APPROVAL

1. Developer submits Sewer Basis of Design Report to FHSD. Report must include the following:
 - a. Total Flow estimate for the entire project, including appropriate calculations. Flow estimates should be based on the latest version of the FHSD Master Plan. The unit wastewater flow estimates and peaking factors for residential and commercial flow are summarized in the FHSD Facilities Design and Construction Standards.
 - b. If onsite sewer of proposed project requires public sewer, a node by node flow analysis of the proposed system must be included. Analysis must include flow estimates for each section of the sewer, estimated slope and sewer velocity.
 - c. Downstream sewer capacity analysis with flow estimate on existing sewer system will be performed by FHSD. If proposed project requires increased capacity downstream of project, developer is responsible for providing required improvements or increased capacity. Outline of proposed improvements must be included. Analysis must include sewer velocities in all improved/upgraded sections of downstream sewers.
2. FHSD approves Sewer Basis of Design Report after review and comment period.
3. FHSD provides "Will Serve" Letter to developer per Maricopa County Environmental Services Department (MCESD) requirements, if required.
4. Developer submits two (2) sets of sewer construction plans directly to FHSD for public sewer portion of proposed project. Developer will also submit a separate set of sewer plans to the Town of Fountain Hills staff for their review.
5. FHSD approves sewer design plans after review and comment period.



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NEW DEVELOPMENT SEWER DESIGN REVIEW AND CONSTRUCTION CHECKLIST-Continued

6. Developer pays FHSD applicable sewer design review fees per latest FHSD Fee Schedule as published on the website.
7. Developer obtains Approval to Construct (ATC) permit from MCESD and provides documentation to FHSD.

CONSTRUCTION INSPECTIONS AND ACCEPTANCE

1. After obtaining all other necessary permits from the Town of Fountain Hills (TOFH) and MCESD, developer contacts FHSD staff to setup a preconstruction meeting.
2. Developer constructs proposed public sewer for projects.
3. Upon completion of construction of the sewer, contractor (via a qualified testing firm) performs necessary tests, and obtains necessary inspections from FHSD staff. A comprehensive list of testing requirements is given in the FHSD Facilities Design and Construction Standards, which is available on the FHSD website. A certified record of passing test results is given to FHSD staff from the contractor. FHSD performs final CCTV inspection of sewer after all work is complete and sewer has been cleaned by hydrovac. If FHSD final CCTV inspection reveals issues, additional cleaning and CCTV work after correction is the responsibility of the developer.
4. Developer obtains Approval of Construction (AOC) certificate from MCESD upon completion of sewer construction and inspection approval by FHSD staff. AOC documentation, including as-builts, must be provided to FHSD. As-builts must be signed and sealed by a Professional Civil Engineer and must be submitted digitally in both .pdf and .dwg (AutoCAD) format.
5. Any remaining punchlist items that FHSD may have for sewer construction must be addressed and completed by the developer.
6. FHSD accepts ownership, operation and maintenance of new public sewer for proposed project. A memo stating this is sent from the District Manager to the Town Engineer and the developer is copied. No connections may be made to the sewer until FHSD has accepted ownership, operation and maintenance of the new sewer.
7. Developer obtains Building Permit(s) from TOFH Building Safety Department as appropriate for the project. See Building Permit Review Procedure.