



SUPERSTITION MOUNTAINS COMMUNITY FACILITIES DISTRICT NO. 1

5661 South Ironwood Drive | Apache Junction, Arizona 85120

(480) 941-6754 | Fax (480) 671-3180 | www.smcfcd.org

SANITARY SEWER CONSTRUCTION NOTES

1. All sewer work shall conform to the latest revision of the Standard Specifications of Construction of the Superstition Mountains Community Facilities District No. 1 (District). All sewer work outside of buildings shall be constructed, inspected and approved to the satisfaction of the District.
2. The District will not participate in the cost of construction or utility relocation.
3. Sewer construction cannot begin until a Sewer Permit has been issued by the District. A Sewer Permit can be obtained by creating an account and applying to mygovernmentonline.org. An Encroachment Permit is required by the City of Apache Junction for work in the public right-of-way and/or public utility easement.
4. The District's Inspector shall be notified 48 hours before sewer system construction begins. The Inspector can be reached by phone at (480) 941-6762 or (480) 688-5584, or by e-mail at inspector@smcfcd.org. Inspections are required for all sewer construction.
5. The construction contractor will be liable for all costs to expose any construction buried prior to District inspection.
6. Pre-cast, 5' diameter manholes are required to be constructed in general conformance to the MAG Uniform Standard Details 420 through 427. Manhole covers shall exhibit the District's logo.
7. Sewer mains shall be constructed of PVC SDR-35 pipe and laid to the slopes indicated on the approved plans.
8. Building service lines/laterals to individual units located in the public Right of Way or sewer easement shall be constructed of PVC SDR-35 or Schedule 40 pipe with a minimum pipeline slope of 1.00%. Building service line connections to sewer mains shall be made with a service wye fitting per SMCFD Detail No. SM440. Saddle type fittings are not allowed. For 90 degree turns, two (2) 45 degree fittings must be used, with a cleanout placed at the upstream end of each straight pipeline segment.
9. Bedding (4") and backfill to 12 inches over the top of the pipe for sewer mains and all building service lines/laterals located in the public Right of Way or sewer easement shall be 3/8" fractured stone chips in general conformance to the MAG Uniform Standard Specifications Section 716 (Low Volume). No other material is allowed for this purpose.
10. Electronic locating devices (marker balls) are required on all new sewer service taps being installed on sewer mains. Electronic marker balls shall be 4" in diameter, wastewater standard frequency and green in color. The device shall be installed per SM440 and in accordance with the manufacturer's directions. The final depth of the marker ball shall be between 2 and 4 feet below final grade. The District supplies the marker ball as part of the connection permit process.
11. The entire length of sewer mains shall be tested for deflection using a 5% mandrel.

12. Entire length of sewer mains shall be low-pressure air-tested per “Standard Test Method for Installation of Acceptance of Plastic Gravity Sewer Lines Using Low-Pressure Air” published by the American Society for Testing and Materials (ASTM designation F1417-92(2005)).
13. Installed manholes shall be tested using the “Standard Test Method for Concrete Sewer Manholes by Negative Air Pressure (Vacuum) Test” published by the American Society for Testing and Materials (ASTM designation C1244-05ae1).
14. After all infrastructure construction is completed, including paving, the sewer system shall be cleaned to the District’s satisfaction and at no cost to the District.
15. Entirety of the interior of the sewer system mains may be inspected by the District using a video camera. Results of any inspection will be recorded to demonstrate compliance with sewer uniform slope test requirements per Arizona Administrative Code R18-9-E301.D.2.k. Any flaws discovered during inspection in the materials, pipe slope, construction of the pipeline, manholes and/or installation of cleanouts must be fixed, at no cost to the District, before the District will give final written approval of the construction.
16. The sewer system will be plugged and remain isolated from the District’s existing sewer collection system until all provisions of the Collection Main Extension Agreement have been met by the developer and the District has issued a letter of acceptance of the system.