

SANITARY SEWER

1. Sanitary sewer mains up to 15-inch diameter shall be PVC, ASTM D 3034, SDR 35 with flexible gasketed joints. Sewer service connections shall be made by a tap to an existing main, or a tee branch from a new main connected above the spring line of the pipe. Service connections less than 45° above horizontal shall be allowed only when approved by the City Engineer, and at those locations indicated on the plans. Service connections to manholes are prohibited.
2. Force mains shall be PVC AWWA C905 DR 18 pipe. All force mains shall be constructed to the line and grade indicated on the approved plans, and have a minimum bury of 4.5 feet to the top of the pipe from finish grade. Force mains shall be hydrostatically tested per ISPWC, Section 401.
3. Force mains shall be installed with continuous tracer wire and plastic marking tape. Tracer wire shall be tested prior to sub grade approval, locating balls (available to be purchased from the City of Post Falls Public Works Department) shall be placed at each bend.
4. Sewer services shall be sized as shown on the construction plans, and field staked for grade and alignment. A minimum invert depth of 5 feet below top of curb at the property line is required. As-built plans shall show services with stationing, off-set and depth.
5. Sewer services shall be at right angles to the sewer main, except in cul-de-sacs or street knuckles.
6. Disruption of existing sewer services while making connection to existing mains is prohibited, without the specific approval of the City Engineer.
7. All sewer mains shall be marked with continuous plastic marking tape. The ends of all services shall be marked with a marker indicating the depth of bury to the nearest inch, and a locating ball (locating balls available to be purchased from the City of Post Falls Public Works Department).
8. All public sewer lines shall be video inspected, and an electronic copy along with a transcript submitted to the Engineer of Record for review. Upon review, the Engineer of Record shall forward the video and transcript, along with a letter detailing recommendations for remediation or approval to the City Engineer. Paving shall not progress without the City Engineer's approval.
9. The Contractor shall be responsible for cleanup of any debris within newly constructed pipes, or their connections to existing systems. All lines and manholes shall be cleaned and inspected prior to paving. Hydrant flushing of sewers is not an acceptable means of cleaning.
10. All sewer mains shall be air tested in accordance with ISPWC, Section 501.
11. All thrust blocking shall be formed in place against undisturbed or compacted soil, and conform to the minimum dimensions shown in SD 403. The use of

- pre-cast thrust blocks is prohibited. All bolts and nuts shall be free of concrete and accessible by wrench.
12. All sanitary sewer mains shall be separated a minimum of 10 feet horizontally from domestic water lines. Crossings of water mains and sewer systems shall have a minimum 18-inch vertical separation with the water main being centered over the sanitary sewer. Any anticipated separation differing from the minimum standards contained herein shall conform to the Idaho Rules for Waste Water, (IDAPA 58.01.16)
 13. The internal coating of sewer force main fittings shall be 40 mils of Protecto 401 ceramic epoxy coating as manufactured by Pacific States Cast Iron Pipe Co. or an approved equal.
 14. For force mains that have a 12-inch diameter or larger plug valves shall be utilized, for force that have a diameter less than 12 inches gate valves shall be utilized.