



Sewer Installation and Repairs

Per Riverside Village Ordinances (8-7-7, 8-3-6, 8-2-8) the following is required.

(A) Material: The sewer pipe shall be **green SDR 26 polyvinyl chloride (PVC)** pipe unless the pipe does not meet the minimum required vertical and horizontal distances from a water line, as determined by the Environmental Protection Agency. In such cases, the sewer pipe shall be constructed of water main quality PVC.

(B) Inside Diameter: The inside diameter of the pipe shall be established in accordance with good engineering design to provide for the area to be drained and shall have a minimum diameter of six inches (6").

(C) Joint Connections: a **rubber, non-shear mission coupling with stainless steel bands** should be used to make the connection between the new and existing service. Sections of new sewer pipe are to be **joined using gasketed push fittings; glued joints are not to be used.**

(D) Grade: The invert grade of the pipe shall be uniform throughout and not less than one-eighth (1/8) of an inch per foot.

(E) Junctions: **The junction between a residential sewer lateral and a municipal sewer main is the responsibility of the property owner.** If this connection is determined by the Village to be in need of replacement, the property owner should install a new polyvinyl chloride (PVC) tee fitting at the location of the connection on the main line sanitary sewer. The PVC tee should be connected to the sewer main using rubber, non-shear mission couplings with stainless steel bands.

(F) Pipe Laying: The pipe shall be laid in straight lines and shall be firmly bedded so as to give uniform support on the lower quadrant of the pipe. The bedding for the pipe should be CA7, CA11, or CA13, and should be placed from four (4) inches below the pipe to twelve (12) inches over the top of the pipe. Tunnels not more than six feet (6') in length will be permitted; otherwise all excavation shall be open trench work. No pipe shall be laid in wet trenches. In unstable ground, provision shall be made to protect the work and secure the permanence of the installation.

(G) Backfilling: Trenches under pavements, village or other utilities or installations and for a distance of three feet (3') on either side shall be backfilled with **CA6 or approved equivalent.** Excess excavated materials shall be removed at the expense of the owner.

(H) Roadway Repair: Concrete roads shall be replaced with a repair section consisting of an eight inch (8") slab of concrete (3,500 psi 28 day strength minimum). For roads with an asphalt wearing course, the concrete patch shall be overlain with four inches (4") of hot mix asphalt. The repairs shall be complete within fourteen (14) days of the excavation date.

(I) Sidewalk Repair: Damaged or removed sidewalk is to be replaced using a **6.1 bag pea gravel mix with an exposed surface** on a compacted subbase at a depth of 5".

Provide quality municipal services to our residents and visitors in a fiscally responsible manner consistent with our Village's historic tradition and community atmosphere.