

The main shall be slowly filled with water at a rate that the water within the main will flow at a velocity no greater than one (1) ft/sec. All air pockets shall be evacuated and the chlorinated water shall remain in the pipe for a minimum of 24 hours or such other time as the Water Works Superintendent may direct. Valves within the chlorinated system shall be 'worked during this period. At the end of the retention period, the main shall be flushed until chlorine measurements show that the concentration in the water leaving the new main is no higher than that generally prevailing in the Village's system. Flushing velocities shall be on the order of two and a half (2.5) ft/sec. If, in the opinion of the Village, the chlorinated discharge could cause damage to the environment, reducing agents shall be applied to the water to be wasted to neutralize the chlorine residual.

Before the main is placed in service, Indian Hill Water Works personnel shall sample and test the water for bacteriological quality. Samples shall be taken from the end of the line, and such other intervals as determined by the Water Works Superintendent, from apparatus and devices installed by the contractor. If the samples do not show satisfactory bacteriological quality, the main may be reflashed and resampled. If the check samples show a continuing presence of coliform organisms, the system shall be rechlorinated until satisfactory results are obtained.

VALVES

MATERIAL


Main line valves, unless noted specifically otherwise on the standard drawings or approved by the Water Works Superintendent, shall be resilient wedge (seated) valves conforming to AWWA C509, "Resilient Seated Gate Valves, 3 Through 12 NPS, for Water and Sewage Systems" or AWWA C515 Reduced Wall, Resilient Seated Gate Valves for Water Supply Service.

Fire hydrant (watch) valves shall be resilient wedge (seated) valves conforming to AWWA C509, "Resilient Seated Gate Valves, 3 Through 12 NPS, for Water and Sewage Systems."

NRS valves to be installed in chambers or valve pits shall be furnished with flanged joints and AWWA hand wheels.

NRS valves for buried service shall be furnished with standard two (2) inch square wrench nut and may be supplied with either push-on or mechanical joints.

OS&Y valves shall be furnished with flanged joints and AWWA handwheel.

	VILLAGE OF INDIAN HILL DEPARTMENT OF WATER WORKS	SPECIFICATIONS WATER MAIN AND APPURTENANCES	DRAWING NO. WW-114
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