Where valve end is MJ, a valve to fitting restraint shall be used (see Engineering Standard 6320).

Tapping sleeve shall be separated from nearest bell, flange, service clamp, corp stop, etc. by a distance no less than 1 1/2 pipe diameters, with a minimum of 18".

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SPACER (wedding band) shall be installed. Inspection required.

SOLID SLEEVE - Ductile iron, MJ x MJ, 12" min. length

T-BOLT

GLAND

VALVE, etc.

TEE, CROSS,

THRU ST BLOCK - Class 3 PCC, shielded from bolts and flanges

THRU ST BLOCK - Class 3 PCC, shielded from bolts and flanges. Sized as appropriate for test pressure and soil type.

SOLID RUBBER GASKET

SOLID SLEEVE - Gate valve, resilient seated with fully encapsulated gate, epoxy-coated inside and outside, full-size waterway, open to the left, non-rising stem with O-ring seals, 200 psi working pressure, and meets AWWA C-509. AVK, CLOW 6100 or approved equal. New line and tapping sleeve must be at least one size smaller than the existing main.

TAPPING SLEEVE - ROMAC STT stainless steel or approved equal. Prior to tapping the water main, the tapping sleeve and valve shall be attached to the water main and pressure tested for five minutes at 150 psi.

NOTE: Hot tap allowed only where supply is less than 1 1/2 diameter of main.