

JOINTS. The type of joint to be used on the respective kinds of pipe, and on valves, fittings and hydrants, shall be compression type joints installed in accordance with the manufacturer's directions.

CONNECTIONS. The contractor shall not make connections to the existing water mains. Any construction on existing in-service mains shall be accomplished by City forces at the expense of the applicant. Only one connection will be made to the existing system until the new system has been approved as provided herein under "Testing and Sterilization."

OPERATION OF VALVES. The contractor will not be permitted to operate any valves in the existing system. The City of Merced Water Department shall be notified of the requirements, and they will operate the necessary valves upon request.

WELL DESTRUCTION. Any well on-site must be abandoned in accordance with California Department of Water Resource Bulletin No. 74-81, or install an approved reduced pressure principle backflow preventer in accordance with City standards prior to connection to the City water system.

BACKFLOW PREVENTERS

- a. Equipment to be supplied shall be on the current list of approved backflow prevention device assemblies on file with the City Engineer. Complete assembly required. (No Substitution)
- b. No outlet, tee, tap, or connection of any kind to or from supply pipe between water meter and device.
- c. Notify City Engineer 24 hours in advance of installation. Do not backfill until installation has been inspected and approved by City Engineer.
- d. Flush lines thoroughly to remove foreign material prior to installation.
- e. Device must be readily accessible for testing and maintenance.
- f. Discharge port (Reduced Pressure Principle Backflow Preventer) must have approved air gap.
- g. Protection may be necessary in areas subject to freezing.
- h. For a continuous supply of water, contact City Engineer for additional requirements.
- i. Supports must not interfere with testing or maintenance.
- j. Deviation from the City standard drawing will not be permitted unless approved in writing by the City Engineer.

ENGINEERING DEPARTMENT		CITY OF MERCED, CALIF	
WATER SYSTEM - CONSTRUCTION SPECIFICATIONS			W-17
DRAWN:	APPROVED BY:	DATE	
ENG.	<i>Leva M. Brown</i>	6-19-84	
REVISED	CITY ENGINEER	SHEET	OF