


Drawn By: DUC L.  
 Checked By: AHMED A. / JAMES M.  
 Approved By: SHILPA M.  
 Revised Date: 5/2/2023

Signature:  
  
 Director of  
 Water and Sewer Utilities

CITY OF SANTA CLARA  
 WATER AND SEWER UTILITIES - STANDARD NO. 19

**GATE VALVE INSTALLATION**

**Standard No. 19 – Gate Valve Installation – Material List**

Use no lead products for domestic water services.

Domestic Products Only.

Use 316 stainless steel bolts, flange gasket with EPDM rubber, nuts, and washers for all bolted connections.

Material	Description	Manufacturer	Model
1. Traffic Valve Box & Extension (see Standard Detail No. 20 for valve box installation)	Traffic valve box with lid. For potable water, lid shall be marked "Water" or "Water Meter". For recycled water, provide purple lid marked "Recycled" or "Recycled Water"	Tyler Union	G5
	Extension - 8" PVC SDR 35, single piece cut to proper length.		
2. Tracer Wire	RHW #12 AWG solid with 12" minimum slack inside all valve boxes.		
3. Pipe Marking Tape	For potable water, use blue. For recycled water, use purple. 3" wide, 4 mil, non-detectable.		
4. Polywrap	For potable water, use blue. For recycled water, use purple. 8 mil low density or 4 mil high density polyethylene film installed per AWWA C105. Tape the end to bonnet.		
5. Gate Valve  Butterfly Valve	End connections as required or specified - size as specified. AWWA C-515 resilient seat, epoxy coated inside and out to meet AWWA C-550. Open left with 2" square operating nut. All rubber components shall be EPDM.	Mueller	A-2361
		M&H	Style 7000
	End connections as required or specified - size as specified. AWWA C-504 resilient seat, epoxy coated inside and out to meet AWWA C-550. Open left with 2" square operating nut. All rubber components shall be EPDM.	Pratt	Groundhog series
		Mueller	Lineseal III
6. Restraining Gland	Joint restraint for use with mechanical joint fittings. Size as specified.	US Pipe (not allowed above ground)	MJ Field Lok
		EBAA	Megalug Series 1100
		KRAUSZ	Hymax Grip