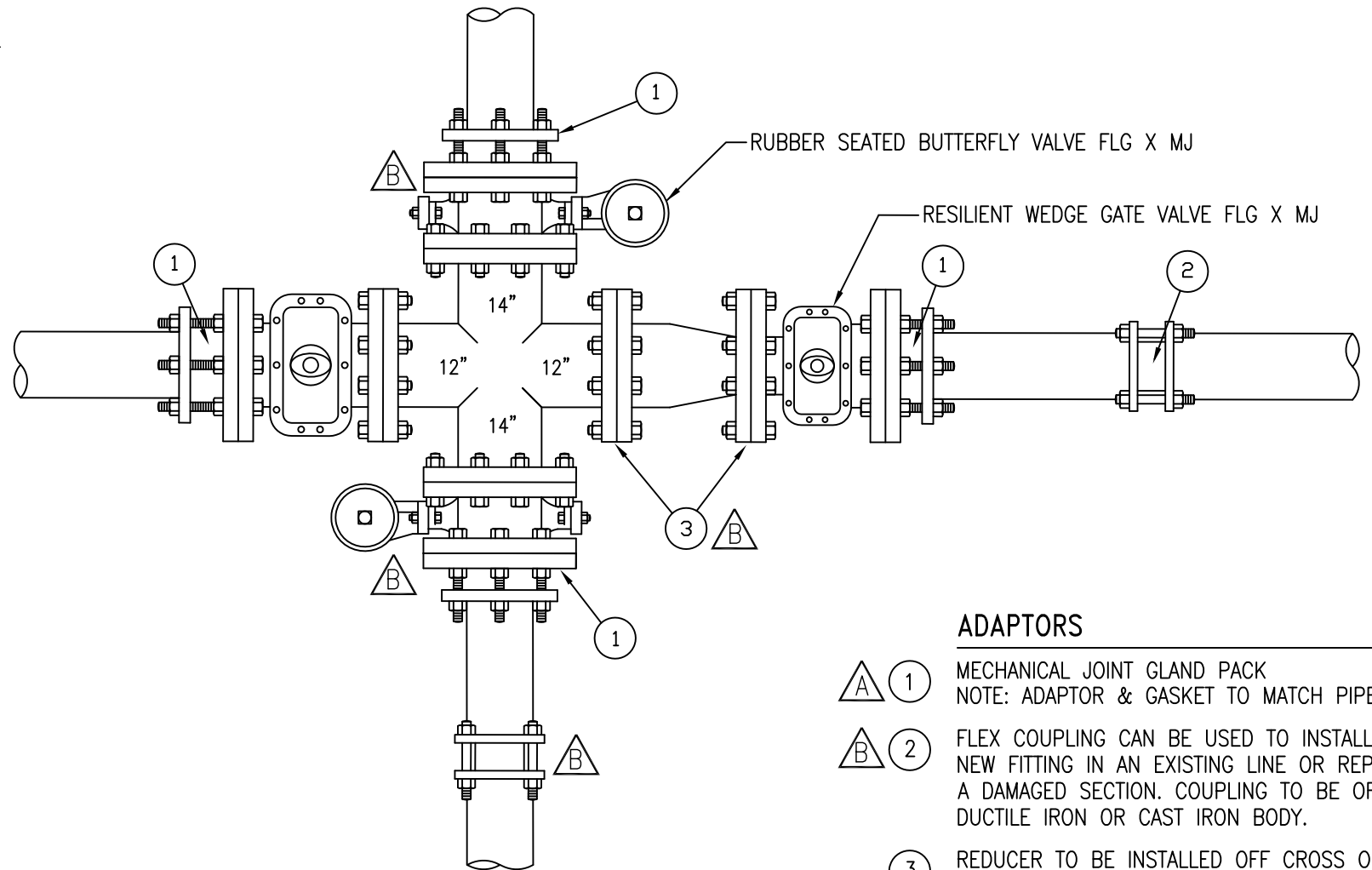


**GENERAL NOTES:**


- △ B 1. ALL VALVE SIZES FROM 3" TO 12" SHALL BE RESILIENT WEDGE GATE VALVES WITH FLANGE BY MECHANICAL JOINT ENDS AWWA C-509 (CLOW, WATEROUS, AVK, M&H, OR APPROVED EQUAL).
- △ B 2. ALL VALVE SIZES 14" AND ABOVE SHALL BE RUBBER SEATED BUTTERFLY VALVES WITH FLANGE BY MECHANICAL JOINT ENDS AWWA C-504 (MUELLER BRAND LINE SEAL III EPOXY LINED I.D. OR APPROVED EQUAL).
- 3. ALL FITTINGS SHALL BE DUCTILE IRON IN ACCORDANCE WITH ANSI/ AWWA C-110 SPECIFICATION.
- 4. BOLTS SHALL BE IN ACCORDANCE WITH AWWA SPECIFICATION C-207. ALL BOLTS SHALL BE ELECTRO GALVANIZED OR CADMIUM PLATED
- 5. GASKETS SHALL BE RUBBER (RING TYPE) IN ACCORDANCE WITH AWWA SPECIFICATION C110/C111.
- 6. BUTTERFLY VALVES ARE TO BE INSTALLED WITH THE OPERATORS ON THE RIGHT LOOKING DOWN THE RUN AS VIEWED WHEN STANDING ON THE INTERSECTION OF THE TEE OR CROSS.
- 7. TEE BOLTS SHALL BE USED WITH FLANGE COUPLING ADAPTORS.
- 8. ALL VALVES, FITTINGS AND PIPE SHALL BE IN ACCORDANCE WITH CITY STANDARD SPECIFICATION FOR MATERIALS AND INSTALLATION OF WATER MAINS.
- △ B 9. ALL NUT AND BOLT FITTINGS SHALL BE COVERED WITH CHRISTY CG-15 OR APPROVED EQUAL.
- △ B 10. ALL TEE'S AND FITTINGS SHALL BE WRAPPED WITH 20 MIL PLASTIC VIS-QUEEN.



**PLAN VIEW**

**ADAPTORS**

- △ A ① MECHANICAL JOINT GLAND PACK  
NOTE: ADAPTOR & GASKET TO MATCH PIPE
  - △ B ② FLEX COUPLING CAN BE USED TO INSTALL A NEW FITTING IN AN EXISTING LINE OR REPAIR A DAMAGED SECTION. COUPLING TO BE OF DUCTILE IRON OR CAST IRON BODY.
  - ③ REDUCER TO BE INSTALLED OFF CROSS OR TEES.
- NOTE: INTEGRAL MECHANICAL JOINTS ON FITTINGS ARE ACCEPTABLE

RICHARD G. SWEET R.C.E. 44,213 EXP. 6/30/07		DATE 1/20/05			<b>City of Santa Maria Standard Drawing</b>	
REVISIONS		BY	APP		DATE	DESCRIPTION:
A	UTILITY DEPARTMENT REVISIONS	CJP		11/15/12	<b>WATER MAIN-VALVE FITTING ARRANGEMENT</b>	
B	UTILITY DEPARTMENT REVISIONS	JAS		1/2/18		
DRAWN BY: H.P.		DATE DRAWN: 4/69		SCALE: NONE		SHEET 1 OF 1