1. ALL VALVE SIZES FROM 3” TO 12” SHALL BE RESILIENT WEDGE GATE VALVES WITH FLANGE BY MECHANICAL JOINT ENDS AWWA C-509 (LOW, WATEROUS, AVK, M&H, OR APPROVED EQUAL).

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.

9. ALL NUT AND BOLT FITTINGS SHALL BE COVERED WITH CHRISTY CG-15 OR APPROVED EQUAL.

10. ALL TEE’S AND FITTINGS SHALL BE WRAPPED WITH 20 MIL PLASTIC VIS-QUEEN.