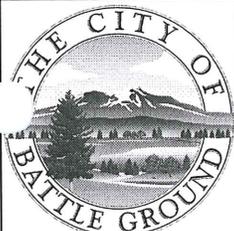


**NOTES:**

1. USE DUCTILE IRON PIPE REQUIREMENTS.
2. VALVES TO BE INSTALLED AT ALL BRANCHES. FOR LONG MAIN LINE RUNS INLINE VALVE SPACING NOT TO EXCEED 1000'. LOOP WATER SYSTEM WHERE EVER POSSIBLE. KEEP DEAD ENDS TO A MINIMUM.
3. A NEW VALVE WILL BE INSTALLED AT POINT OF EXTENSION OF SAID LINE, TO PREVENT CROSS CONNECTION AND POSSIBLE CONTAMINATION OF EXISTING LINES.
4. NO DEVIATION ON THE NUMBER OF VALVES UNLESS AUTHORIZED IN WRITING BY THE CITY ENGINEER.
5. MECHANICALLY RESTRAIN ALL JOINTS.
6. RESILIENT-SEATED OR WEDGE GATE VALVES MAY BE USED FOR VALVE INSTALLATIONS OF 8 INCH AND SMALLER.
7. RESILIENT-SEATED OR WEDGE GATE VALVES SHALL BE USED ON ALL FIRE HYDRANT AND FIRE PROTECTION SERVICE.
8. RESILIENT-SEATED OR WEDGE GATE VALVES SHALL CONFORM TO AWWA C509 AND SHALL BE EPOXY COATED ON THE INSIDE.
9. BUTTERFLY VALVES SHALL BE USED FOR ALL VALVE INSTALLATIONS OF 10 INCH AND LARGER.
10. BUTTERFLY VALVES SHALL CONFORM TO AWWA C504 AND SHALL BE CLASS 150-B WITH SHORT BODY.
11. BUTTERFLY VALVES SHALL BE REQUIRED TO HAVE A MINIMUM OF 28 TURNS TO MOVE FROM FULLY OPEN TO FULLY CLOSED POSITION. THE OPERATOR NUT SHALL BE MOUNTED DIRECTLY ON THE VALVE WITH NO EXPOSED OR EXTERNAL COUPLINGS. UNITS SHALL BE FULLY GASKETED AND GREASE PACKED. VALVES SHALL BE INSTALLED WITH THE OPERATOR ON THE SIDE OF THE PIPE NEAREST THE ROAD CENTERLINE.
12. ALL VALVES SHALL BE FURNISHED WITH AN UNDERGROUND MANUAL OPERATOR WITH AN AWWA 2 INCH SQUARE OPERATING NUT AND SHALL OPEN WITH A COUNTER-CLOCKWISE ROTATION. VALVES SHALL BE FURNISHED WITH JOINTS AS CALLED FOR ON THE PLANS.

**MAIN LINE AND VALVES**

PLAN #



CITY OF BATTLE GROUND  
APPROVED

*[Signature]*  
CITY ENGINEER

*[Signature]*  
DATE

REVISIONS:	DATE:	DRAWN:	DESIGNED:
1	8/12/98	BSG	GGH
2	8/30/05	ALL	MCH
3	4/16/07	JMH	MCH
4	8/7/07	MCH	MCH

WA-3.0