

MINIMUM TEST TIME TWO HOURS

WATER LINE TEST BASED ON 150 PSI	
SIZE	MAX. ALLOWABLE LEAKAGE
3/4"	.0124 (GAL/2 HRS)/100 L.F.
1"	.0166 (GAL/2 HRS)/100 L.F.
1 1/2"	.0248 (GAL/2 HRS)/100 L.F.
2"	.0331 (GAL/2 HRS)/100 L.F.
3"	.0497 (GAL/2 HRS)/100 L.F.
4"	.0662 (GAL/2 HRS)/100 L.F.
6"	.0993 (GAL/2 HRS)/100 L.F.
8"	.1324 (GAL/2 HRS)/100 L.F.
12"	.1986 (GAL/2 HRS)/100 L.F.

WATER LINE TEST BASED ON 150 PSI	
SIZE	MAX. ALLOWABLE LEAKAGE
16"	.2648 (GAL/2 HRS)/100 L.F.
20"	.3310 (GAL/2 HRS)/100 L.F.
24"	.3972 (GAL/2 HRS)/100 L.F.
30"	.4965 (GAL/2 HRS)/100 L.F.
36"	.5958 (GAL/2 HRS)/100 L.F.
42"	.6951 (GAL/2 HRS)/100 L.F.
48"	.7944 (GAL/2 HRS)/100 L.F.
54"	.8937 (GAL/2 HRS)/100 L.F.

MAXIMUM ALLOWABLE LEAKAGE FOR THE WATER MAIN WILL BE CALCULATED USING THE FOLLOWING FORMULA:

$$L = \frac{DS\sqrt{P}}{148,000}$$

WHERE:

- L = MAXIMUM ALLOWABLE LEAKAGE, GALLONS/HOUR
- S = LENGTH OF PIPE IN TEST SECTION, IN FEET
- D = NOMINAL DIAMETER OF TESTED PIPE, IN INCHES
- P = TEST PRESSURE, POUNDS PER SQUARE INCH 150 PSI OR 1 1/2 THE WORKING PRESSURE WHICHEVER IS GREATER MEASURED AT THE HIGH POINT OF THE TEST SYSTEM.