

WATERLINE AND SERVICE TESTING PROCEDURES:

GENERAL NOTES:

1. THE CONTRACTOR SHALL PROVIDE AMPLE TIME IN THEIR SCHEDULE FOR WATERLINE TESTING. THE TYPICAL TESTING OF A SECTION OF PIPE TAKES 5 WORKING DAYS FROM THE INITIAL FILLING OF THE MAIN TO THE COMPLETION OF BACTERIA TESTING. THIS ASSUMES NO ISSUES OR FAILED TESTS.

DISINFECTION:

1. CHLORINE GRANULES WILL BE USED DURING CONSTRUCTION TO OBTAIN AN INITIAL READING OF 50 MG/L WHEN THE PIPE IS INITIALLY FILLED. CHLORINE TABLETS ARE NOT ALLOWED.
2. ANY PIPE THAT WILL NOT FALL UNDER THE LIMITS OF A BACTERIA TEST MUST BE CLEANED THOROUGHLY WITH A CHLORINE SOLUTION IN THE PRESENCE OF CITY PERSONNEL.

MAIN LINE PRESSURE TESTING:

1. THE WATER DEPT. WILL FILL THE MAIN PRIOR TO PRESSURE TESTING. AFTER 24 HOURS, A SAMPLE WILL BE TAKEN BY THE WATER DEPT. THE CHLORINE RESIDUAL MUST BE AT LEAST 25 MG/L.
2. A FLUSH OF THE MAIN WILL BE CONDUCTED BY THE CONTRACTOR WITH THE HELP OF THE WATER DEPT. THIS WILL REMOVE THE HIGH CHLORINE CONTENT AND HELP REMOVE AIR TRAPPED IN THE MAIN. ALL DEAD-END LINES MUST HAVE A MEANS TO ADEQUATELY FLUSH. THE CONTRACTOR IS RESPONSIBLE TO PROVIDE ADEQUATE HOSE TO REACH THE CLOSEST APPROPRIATE SANITARY MANHOLE TO DISCHARGE ANY HIGHLY CHLORINATED WATER. ANY ALTERNATE METHODS TO ELIMINATE HIGHLY CHLORINATED WATER MUST BE APPROVED BY THE CITY ENGINEER.
3. CLEAN WATER TUBS, HOSES, ETC. MUST BE USED FOR ALL PHASES OF TESTING. THE CONTRACTOR IS REQUIRED TO SANITIZE ALL EQUIPMENT IN THE PRESENCE OF CITY PERSONNEL PRIOR TO BEGINNING.
4. THE WATER MAIN SHOULD HOLD STATIC PRESSURE BEFORE CALLING THE WATER DEPT TO INITIATE THE PRESSURE TEST.
5. A PRESSURE TEST WILL BE CONDUCTED BY THE CONTRACTOR WITH A REPRESENTATIVE FROM THE WATER DEPT. PRESENT. THE WATER DEPT. WILL PROVIDE THE TEST GAUGE AND HOSE CONNECTIONS. THE CONTRACTOR IS REQUIRED TO PROVIDE AN APPROPRIATE PUMP AND A CLEAN WATER TUB.
6. THE TEST PRESSURE SHALL BE 150 PSI OR 1-1/2 TIMES THE STATIC PRESSURE OF THE CONNECTING WATERLINE, WHICHEVER IS GREATER. ALL MAINLINE VALVES, HYDRANT VALVES AND HYDRANTS MUST BE IN THE OPEN POSITION AND INCLUDED IN THE TEST.
7. THE PRESSURE TEST WILL BE TWO HOURS IN DURATION. THE PRESSURE DURING THE TEST SHOULD NOT DEVIATE BY MORE THAN 5 PSI AND WILL NOT FALL BELOW THE REQUIRED TEST PRESSURE. THE ALLOWABLE LEAKAGE IS CALCULATED AS 1/2 GALLON PER DIAMETER INCH PER MILE OF PIPE.

FIRE LINE PRESSURE TESTING:

1. ALL FIRE LINES WILL BE FLUSHED AND PRESSURE TESTED AT 200 PSI WITH THE WADSWORTH FIRE DEPT. PRESENT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE WITH THE FIRE AND WATER DEPTS. FOR THESE TESTS. SEE PHONE NUMBERS BELOW.

BACTERIA TESTING:

1. A BACTERIA TEST WILL BE CONDUCTED BY THE CITY WATER DEPT. THE TEST CAN BEGIN 24 HOURS AFTER PASSING THE PRESSURE TEST. THE CHLORINE RESIDUAL MUST BE AT 1.0 MG/L OR LESS BEFORE THE FIRST BACTERIA SAMPLE IS TAKEN.
2. ONE STERILE SAMPLE WILL BE TAKEN AT LEAST EVERY 1200 LINEAL FEET OF PIPE AND AT ALL DEAD-END RUNS. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ADEQUATE ACCESS TO A TESTING SITE. STUBBED SERVICES WILL HAVE A VALVE OR OTHER MEANS TO CONTROL THE FLOW OF WATER WHILE COLLECTING THE SAMPLE. SAMPLE SITES SHALL HAVE 1" OR SMALLER FITTING AT THE POINT OF COLLECTION. HYDRANTS CANNOT BE USED FOR BACTERIA TESTING.
3. TWO SAMPLES WILL BE TAKEN FROM EACH SAMPLE LOCATION. ONE INITIAL SET, THEN 24 HOURS LATER ANOTHER SET WILL BE TAKEN.
4. SAMPLES WILL BE COLLECTED BY THE WATER DEPARTMENT AND TAKEN TO THE CITY WATER TREATMENT PLANT WHERE LAB PERSONNEL WILL CONDUCT THE TEST. TWO CONSECUTIVE CLEAN SETS ARE REQUIRED TO PASS BACTERIA TESTING.

INDIVIDUAL WATER SERVICE TESTING (REPLACED):

1. NEW WATER SERVICES SHALL NOT BE CONNECTED TO EXISTING SERVICES PRIOR TO PASSING ALL BACTERIA TESTING REQUIREMENTS.
2. A VISUAL INSPECTION WILL BE CONDUCTED BY THE CITY AFTER THE CONNECTION IS MADE TO THE EXISTING SERVICE. ALL FITTINGS SHALL REMAIN EXPOSED UNTIL APPROVAL.

INDIVIDUAL WATER SERVICE TESTING (NEW HOME CONSTRUCTION):

1. THE CONTRACTOR SHALL INSTALL THE CORPORATION AND CURB STOPS WITH COPPER STUBBED OUT OF THE CURB STOP TO USE FOR TESTING.
2. SERVICES SHALL BE TESTED BY THE CITY UTILITY DEPARTMENT AT 150 PSI FOR 5 MINUTES WITH THE CORPORATION STOP IN THE "OFF" POSITION AND CURB STOP IN THE "ON" POSITION.

REFERENCE: OEPA MANUAL, AWWA STANDARD C600-93, C651-92

WATER DEPARTMENT: 330-335-2830

FIRE DEPARTMENT: 330-335-2849