

# Contractor's Material and Test Certificate for Private Fire Service Mains

**PROCEDURE**

Upon completion of work, inspection and tests shall be made by the contractor's representative and witnessed by an owner's representative. All defects shall be corrected and system left in service before contractor's personnel finally leave the job. A certificate shall be filled out and signed by both representatives. Copies shall be prepared for approving authorities, owners, and contractor. It is understood the owner's representative's signature in no way prejudices any claim against contractor for faulty material, poor workmanship, or failure to comply with approving authority's requirements or local ordinances.

PROPERTY NAME Wichita Destination DATE 6-29-2016

PROPERTY ADDRESS 2660. Greenwich Ct

<b>PLANS</b>	ACCEPTED BY APPROVING AUTHORITIES (NAMES) <u>Wichita Fire Dept.</u>
	ADDRESS
	INSTALLATION CONFORMS TO ACCEPTED PLANS <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO EQUIPMENT USED IS APPROVED <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF NO, STATE DEVIATIONS

<b>INSTRUCTIONS</b>	HAS PERSON IN CHARGE OF FIRE EQUIPMENT BEEN INSTRUCTED AS TO LOCATION OF CONTROL VALVES AND CARE AND MAINTENANCE OF THIS NEW EQUIPMENT? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF NO, EXPLAIN
	HAVE COPIES OF APPROPRIATE INSTRUCTIONS AND CARE AND MAINTENANCE CHARTS BEEN LEFT ON PREMISES? <input type="checkbox"/> YES <input type="checkbox"/> NO IF NO, EXPLAIN

LOCATION SUPPLIES BUILDINGS 7<sup>th</sup> E of E CL - City water main

<b>PIPES AND JOINTS</b>	PIPE TYPES AND CLASS <u>6" C-900-DR 18</u>	TYPE JOINT <u>Slip Joint</u>
	PIPE CONFORMS TO FITTINGS CONFORM TO IF NO, EXPLAIN	<u>AWWA C-153</u> STANDARD <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO STANDARD <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
	BURIED JOINTS NEEDING ANCHORAGE CLAMPED, STRAPPED, OR BLOCKED IN ACCORDANCE WITH _____ STANDARD <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF NO, EXPLAIN	
	TEST DESCRIPTION	

**TEST DESCRIPTION**  
**FLUSHING:** Flow the required rate until water is clear as indicated by no collection of foreign material in burlap bags at outlets such as hydrants and blow-offs. Flush at flows not less than 390 GPM (1476 L/min) for 4-inch pipe, 610 GPM (2309 L/min) for 5-inch pipe, 880 GPM (3331 L/min) for 6-inch pipe, 1560 GPM (5905 L/min) for 8-inch pipe, 2440 GPM (9235 L/min) for 10-inch pipe, and 3520 GPM (13323 L/min) for 12-inch pipe. When supply cannot produce stipulated flow rates, obtain maximum available.  
**HYDROSTATIC:** Hydrostatic tests shall be made at not less than 200 psi (13.8 bars) for two hours or 50 psi (3.4 bars) above static pressure in excess of 150 psi (10.3 bars) for two hours.  
**LEAKAGE:** New pipe laid with rubber gasketed joints shall, if the workmanship is satisfactory, have little or no leakage at the joints. The amount of leakage at the joints shall not exceed 2 qts. per hr. (1.89 L/h) per 100 joints irrespective of pipe diameter. The amount of allowable leakage specified above may be increased by 1 fl oz per in. valve diameter per hr. (30 mL/25 mm/h) for each metal seated valve specified above. If dry barrel hydrants are tested with the main valve open, so the hydrants are under pressure, an additional 5 oz per minute (150 mL/min) leakage is permitted for each hydrant.

<b>FLUSHING TESTS</b>	NEW PIPING FLUSHED ACCORDING TO _____ STANDARD <input type="checkbox"/> YES <input type="checkbox"/> NO BY (COMPANY) IF NO, EXPLAIN	
	HOW FLUSHING FLOW WAS OBTAINED <input checked="" type="checkbox"/> PUBLIC WATER <input type="checkbox"/> TANK OR RESERVOIR <input type="checkbox"/> FIRE PUMP	THROUGH WHAT TYPE OPENING <input type="checkbox"/> HYDRANT BUTT <input checked="" type="checkbox"/> OPEN PIPE
	LEAD-INS FLUSHED ACCORDING TO _____ STANDARD <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO BY (COMPANY) IF NO, EXPLAIN	
	HOW FLUSHING FLOW WAS OBTAINED <input checked="" type="checkbox"/> PUBLIC WATER <input type="checkbox"/> TANK OR RESERVOIR <input type="checkbox"/> FIRE PUMP	THROUGH WHAT TYPE OPENING <input type="checkbox"/> Y CONN. TO FLANGE <input checked="" type="checkbox"/> OPEN PIPE & SPIGOT

<b>HYDROSTATIC TEST</b>	ALL NEW PIPING HYDROSTATICALLY TESTED AT <u>200</u> PSI FOR <u>2</u> HOURS	BURIED JOINTS COVERED <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
<b>LEAKAGE TEST</b>	TOTAL AMOUNT OF LEAKAGE MEASURED _____ GALS. _____ HOURS	NO LEAKAGE ALLOWED FOR VISIBLE JOINTS
	ALLOWABLE LEAKAGE (BURIED) _____ GALS. _____ HOURS	NO LEAKAGE ALLOWED FOR VISIBLE JOINTS
<b>HYDRANTS</b>	NUMBER INSTALLED <u>2</u> TYPE AND MAKE <u>mk american darling 73</u>	ALL OPERATE SATISFACTORILY <input type="checkbox"/> YES <input type="checkbox"/> NO
<b>CONTROL VALVES</b>	WATER CONTROL VALVES LEFT WIDE OPEN IF NO, STATE REASON	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
	HOSE THREADS OF FIRE DEPARTMENT CONNECTIONS AND HYDRANTS INTERCHANGEABLE WITH THOSE OF FIRE DEPARTMENT ANSWERING ALARM	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
<b>REMARKS</b>	DATE LEFT IN SERVICE _____ ADDITIONAL COMMENTS: _____	
<b>SIGNATURES</b>	NAME OF INSTALLING CONTRACTOR <u>CK Contracting</u>	
	TESTS WITNESSED BY	
	FOR PROPERTY OWNER (SIGNED)	TITLE _____ DATE _____
	FOR INSTALLING CONTRACTOR (SIGNED) <u>Samuel Corneil</u>	TITLE _____ DATE <u>6-29-2016</u>
ADDITIONAL EXPLANATION AND NOTES <u>See 6-29-16</u>		

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PROPERTY NAME: Wichita Destination DATE: 6-29-2016  
 PROPERTY ADDRESS: 2660 Greenwich Ct  
Wichita Fire Dept.

**PLANS**  
 ACCEPTED BY APPROVING AUTHORITIES (NAMES): \_\_\_\_\_  
 ADDRESS: \_\_\_\_\_  
 INSTALLATION CONFORMS TO ACCEPTED PLANS \_\_\_\_\_  
 EQUIPMENT USED IS APPROVED IF NO, STATE DEVIATIONS:  YES  NO

**INSTRUCTIONS**  
 HAS PERSON IN CHARGE OF FIRE EQUIPMENT BEEN INSTRUCTED AS TO LOCATION OF CONTROL VALVES AND CARE AND MAINTENANCE OF THIS NEW EQUIPMENT?  YES  NO  
 IF NO, EXPLAIN \_\_\_\_\_  
 HAVE COPIES OF APPROPRIATE INSTRUCTIONS AND CARE AND MAINTENANCE CHARTS BEEN LEFT ON PREMISES?  YES  NO  
 IF NO, EXPLAIN \_\_\_\_\_

**LOCATION**  
 SUPPLIES BUILDINGS: 7<sup>th</sup> E of E CL - City water main

**PIPES AND JOINTS**  
 PIPE TYPES AND CLASS: 8" C-900 - DR 18 TYPE JOINT: Slip Joint  
 PIPE CONFORMS TO FITTINGS CONFORM TO: NWNA C-153 STANDARD  YES  NO  
 STANDARD STANDARD  YES  NO  
 BURIED JOINTS NEEDING ANCHORAGE CLAMPED, STRAPPED, OR BLOCKED IN ACCORDANCE WITH \_\_\_\_\_ STANDARD  YES  NO  
 IF NO, EXPLAIN \_\_\_\_\_

**TEST DESCRIPTION**  
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**FLUSHING TESTS**  
 NEW PIPING FLUSHED ACCORDING TO BY (COMPANY) \_\_\_\_\_ STANDARD  YES  NO  
 IF NO, EXPLAIN \_\_\_\_\_  
 HOW FLUSHING FLOW WAS OBTAINED:  PUBLIC WATER  TANK OR RESERVOIR  FIRE PUMP THROUGH WHAT TYPE OPENING:  HYDRANT BUTT  OPEN PIPE  
 LEAD-INS FLUSHED ACCORDING TO BY (COMPANY) \_\_\_\_\_ STANDARD  YES  NO  
 IF NO, EXPLAIN \_\_\_\_\_  
 HOW FLUSHING FLOW WAS OBTAINED:  PUBLIC WATER  TANK OR RESERVOIR  FIRE PUMP THROUGH WHAT TYPE OPENING:  Y CONN. TO FLANGE  OPEN PIPE & SPIGOT

**HYDROSTATIC TEST**  
 ALL NEW PIPING HYDROSTATICALLY TESTED AT 200 PSI FOR 2 HOURS  
 BURIED JOINTS COVERED:  YES  NO

**LEAKAGE TEST**  
 TOTAL AMOUNT OF LEAKAGE MEASURED \_\_\_\_\_ GALS. \_\_\_\_\_ HOURS NO LEAKAGE ALLOWED FOR VISIBLE JOINTS  
 ALLOWABLE LEAKAGE (BURIED) \_\_\_\_\_ GALS. \_\_\_\_\_ HOURS NO LEAKAGE ALLOWED FOR VISIBLE JOINTS

**HYDRANTS**  
 NUMBER INSTALLED: 2 TYPE AND MAKE: mk American Darling 73 ALL OPERATE SATISFACTORILY:  YES  NO

**CONTROL VALVES**  
 WATER CONTROL VALVES LEFT WIDE OPEN IF NO, STATE REASON:  YES  NO  
 HOSE THREADS OF FIRE DEPARTMENT CONNECTIONS AND HYDRANTS INTERCHANGEABLE WITH THOSE OF FIRE DEPARTMENT ANSWERING ALARM:  YES  NO

**REMARKS**  
 DATE LEFT IN SERVICE: \_\_\_\_\_  
 ADDITIONAL COMMENTS: \_\_\_\_\_

**SIGNATURES**  
 NAME OF INSTALLING CONTRACTOR: CK Contracting  
 TESTS WITNESSED BY: \_\_\_\_\_  
 FOR PROPERTY OWNER (SIGNED): \_\_\_\_\_ TITLE: \_\_\_\_\_ DATE: \_\_\_\_\_  
 FOR INSTALLING CONTRACTOR (SIGNED): Shushu TITLE: \_\_\_\_\_ DATE: 6-29-2016

ADDITIONAL EXPLANATION AND NOTES: Shushu 6.29.16

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