

CONTRACTOR'S MATERIAL & TEST CERTIFICATE FOR UNDERGROUND PIPING

FIRE LINE #1

Procedure

Upon completion of work, inspection and tests shall be made by 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 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		WSU TECH NCAT EXPANSION		DATE 1/12/2026	
PROPERTY ADDRESS		4004 N WEBB RD COW #2025-017394 PPW			
PLANS	ACCEPTED BY APPROVING AUTHORITY(S) NAMES City of Wichita				
	ADDRESS 455 N. Main, Wichita, Kansas				
	INSTALLATION CONFORMS TO ACCEPTED PLANS			☒ YES ☐ NO	
EQUIPMENT USED IS APPROVED			☒ YES ☐ NO		
IF NO, STATE DEVIATIONS:					
INSTRUCTIONS	HAS THE 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 THE PREMISES.			☒ YES ☐ NO		
IF NO, EXPLAIN					
LOCATION	SUPPLIES BLDGS. NE SIDE OF THE BUILDING				
UNDERGROUND PIPES AND JOINTS	PIPE TYPES AND CLASS C-900 / DICL C350		TYPE JOINT Slip / MJ		
	PIPE CONFORMS TO NFPA 24 STANDARD		☒ YES ☐ NO		
	FITTINGS CONFORM TO NFPA 24 STANDARD		☒ YES ☐ NO		
	IF NO, EXPLAIN				
JOINTS NEEDING ANCHORAGE CLAMPED, STRAPPED, OR BLOCKED IN ACCORDANCE WITH NFPA 24 STANDARD		☒ YES ☐ NO			
IF NO, EXPLAIN					
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 400 gpm (1514 l/min) for 4-inch pipe, 600 gpm (2271 l/min) for 5-inch pipe, 900 gpm (2839 l/min) for 6-inch pipe, 1600 gpm (3785 l/min) for 8-inch pipe, 2440 gpm (5678 l/min) for 10-inch pipe, and 3520 gpm (7570 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 leakage shall be distributed over all joints. If such leakage occurs at a few joints the installation shall be considered unsatisfactory and necessary repairs made. The amount of allowable leakage specified above may be increased by 1 fl oz Per in. valve diameter per hour (30 mL/25 mm/h) for each metal seated valve isolating the test section. If dry barrel hydrants are tested with the main valve open, so the hydrants are under pressure, an additional 5 oz/min leakage is permitted for each hydrant.				
FLUSHING TESTS	NEW UNDERGROUND PIPING FLUSHED ACCORDING TO NFPA 24 STANDARD			☒ YES ☐ NO	
	BY: (COMPANY)			IF NO, EXPLAIN	
	HOW FLUSHING FLOW WAS OBTAINED		THROUGH WHAT TYPE OPENING		
	☒ PUBLIC MAIN ☐ TANK OR RESERVOIR ☐ FIRE PUMP		☒ HYDRANT BUTT ☐ OPEN PIPE		
LEAD-INS FLUSHED ACCORDING TO NFPA 24 STANDARD		☒ YES ☐ NO			
BY: (COMPANY)		IF NO, EXPLAIN			
HOW FLUSHING FLOW WAS OBTAINED		THROUGH WHAT TYPE OPENING			
☒ PUBLIC MAIN ☐ TANK OR RESERVOIR ☐ FIRE PUMP		☐ Y CONN TO FLANGE & SPIGOT ☒ OPEN PIPE			

HYDROSTATIC TESTS	ALL NEW UNDERGROUND PIPING HYDROSTATICALLY TESTED AT 200 PSI FOR 2 HOURS		
LEAKAGE TEST	TOTAL AMOUNT OF LEAKAGE MEASURED GALS. OVER HOURS START 211 PSI End 211 PSI Zero Loss = PASS		
	ALLOWABLE LEAKAGE GALS. OVER HOURS		
HYDRANTS	NUMBER INSTALLED 1	TYPE AND MAKE AMERICAN DARLING	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		
	After a passing water quality test		
SIGNATURES	NAME OF INSTALLING CONTRACTOR MCCULLOUGH EXCAVATION		
	TESTS WITNESSED BY		
	FOR PROPERTY OWNER (SIGNED)	TITLE	DATE
	FOR INSTALLING CONTRACTOR (SIGNED)	TITLE TEST TECH	DATE 1/12/2026
	FOR THIRD PARTY INSPECTION (SIGNED)	COMPANY Baughman Company	DATE 1-18-26
	FOR FIRE SERVICE INSPECTION (SIGNED)	COMPANY C.D.W.	DATE 1-12-26

ADDITIONAL EXPLANATIONS AND NOTES

CONTRACTOR’S MATERIAL & TEST CERTIFICATE FOR UNDERGROUND PIPING

FIRE LINE #2 & #3

Procedure

Upon completion of work, inspection and tests shall be made by 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 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 WSU NCAT EXPANSION PROJECT #2025-017394 PPW DATE 12/23/2025

PROPERTY ADDRESS 4004 N WEBB RD

PLANS	ACCEPTED BY APPROVING AUTHORITY(S) NAMES City of Wichita
	ADDRESS 455 N. Main, Wichita, Kansas
	INSTALLATION CONFORMS TO ACCEPTED PLANS ☒ YES ☐ NO EQUIPMENT USED IS APPROVED ☒ YES ☐ NO IF NO, STATE DEVIATIONS:

INSTRUCTIONS	HAS THE 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 THE PREMISES. ☒ YES ☐ NO IF NO, EXPLAIN

LOCATION	SUPPLIES BLDGS. EAST SIDE OF THE BUILDING
----------	---

UNDERGROUND PIPES AND JOINTS	PIPE TYPES AND CLASS C-900 / D1CL C350	TYPE JOINT Slip / MJ
	PIPE CONFORMS TO NFPA 24 STANDARD ☒ YES ☐ NO FITTINGS CONFORM TO NFPA 24 STANDARD ☒ YES ☐ NO IF NO, EXPLAIN	
	JOINTS NEEDING ANCHORAGE CLAMPED, STRAPPED, OR BLOCKED IN ACCORDANCE WITH NFPA 24 STANDARD ☒ YES ☐ NO IF NO, EXPLAIN	

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 400 gpm (1514 l/min) for 4-inch pipe, 600 gpm (2271 l/min) for 5-inch pipe, 900 gpm (2839 l/min) for 6-inch pipe, 1600 gpm (3785 l/min) for 8-inch pipe, 2440 gpm (5678 l/min) for 10-inch pipe, and 3520 gpm (7570 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 leakage shall be distributed over all joints. If such leakage occurs at a few joints the installation shall be considered unsatisfactory and necessary repairs made. The amount of allowable leakage specified above may be increased by 1 fl oz Per in. valve diameter per hour (30 mL/25 mm/h) for each metal seated valve isolating the test section. If dry barrel hydrants are tested with the main valve open, so the hydrants are under pressure, an additional 5 oz/min leakage is permitted for each hydrant.
------------------	---

FLUSHING TESTS	NEW UNDERGROUND PIPING FLUSHED ACCORDING TO NFPA 24 STANDARD ☒ YES ☐ NO BY: (COMPANY) IF NO, EXPLAIN	
	HOW FLUSHING FLOW WAS OBTAINED ☒ PUBLIC MAIN ☐ TANK OR RESERVOIR ☐ FIRE PUMP	THROUGH WHAT TYPE OPENING ☒ HYDRANT BUTT ☐ OPEN PIPE
	LEAD-INS FLUSHED ACCORDING TO NFPA 24 STANDARD ☒ YES ☐ NO BY: (COMPANY) IF NO, EXPLAIN	
	HOW FLUSHING FLOW WAS OBTAINED ☒ PUBLIC MAIN ☐ TANK OR RESERVOIR ☐ FIRE PUMP	THROUGH WHAT TYPE OPENING ☐ Y CONN TO FLANGE & SPIGOT ☒ OPEN PIPE

HYDROSTATIC TESTS	ALL NEW UNDERGROUND PIPING HYDROSTATICALLY TESTED AT 200 PSI FOR 2 HOURS		
LEAKAGE TEST	TOTAL AMOUNT OF LEAKAGE MEASURED _____ GALS. OVER _____ HOURS STARTING 210 AND END 210 PSI, LOST ZERO PSI = PASS		
	ALLOWABLE LEAKAGE _____ GALS. OVER _____ HOURS		
HYDRANTS	NUMBER INSTALLED 0	TYPE AND MAKE	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		
	After a passing water quality test		
SIGNATURES	NAME OF INSTALLING CONTRACTOR McCullough Excavation		
	TESTS WITNESSED BY		
	FOR PROPERTY OWNER (SIGNED)	TITLE	DATE
	FOR INSTALLING CONTRACTOR (SIGNED)	TITLE TEST TECH	DATE 12/23/2025
	FOR THIRD PARTY INSPECTION (SIGNED)	COMPANY Baughman Company	DATE 12/23/25
	FOR FIRE SERVICE INSPECTION (SIGNED)	COMPANY C.O.W.	DATE 12-23-25

ADDITIONAL EXPLANATIONS AND NOTES