



INTERCONNECTION	
WM SIZE	MINIMUM CONNECTION SIZE
UP TO 200mm	50mm
250 - 400mm	100mm

*FOR WATERMAIN OVER 400mm, CITY OF BARRIE WILL DETERMINE CONNECTION ON A CASE-BY-CASE BASIS.

NOTES:

1. THE REDUCED PRESSURE ZONE BACKFLOW PREVENTER MUST BE PROVIDED BY THE CONTRACTOR, IN GOOD WORKING ORDER, AND TESTED AS PER CSA B64.10-01 (AS AMENDED) WITH THE EXCEPTION OF REDUCED PRESSURE ZONES INITIALLY TESTED AND THEN RELOCATED WITHIN THE SAME DAY.
2. THE BACKFLOW PREVENTION ASSEMBLY AND THE BACKFLOW PREVENTION VALVE ASSEMBLY SHALL BE PHYSICALLY SEPERATED FROM THE NEW MAIN DURING WATERMAIN PRESSURE TESTS.
3. THE FINAL CONNECTION OF THE WATERMAIN SHALL BE COMPLETED ONLY AFTER AUTHORIZATION BY THE CITY OF BARRIE.
4. THE WATERMAIN SHALL BE DRAINED BY CONTROLLED MEANS, DE-CHLORINATED AS REQUIRED AS PER AWWA, AND TEMPORARY CAPS OR PLUGS INSTALLED AS REQUIRED. SUFFICIENT TRENCH DEWATERING CAPACITY SHALL BE USED WHEN THE EXISTING AND NEW WATERMAIN ARE DRAINED PRIOR TO THE FINAL CONNECTION TO ENSURE NO BACKFLOW OF TRENCH WATER INTO EITHER WATERMAIN.
5. THE WATERMAIN SHALL BE CUT BACK TO REMOVE THE TAPING POINTS OF THE TEMPORARY WATERMAIN BY-PASS ASSEMBLY. ENSURE COMPLETION PIECE IS LESS THAN 5.5m AND DISINFECTING ACCORDING TO AWWA C651 (AS AMENDED).
6. ONLY CITY OF BARRIE WATER OPERATIONS SHALL OPERATE VALVES AND/OR OTHER APPURTENANCES WITHIN THE NEW SYSTEM ONCE COMMISSIONING PROCEDURES ARE INITIATED. FAILURE TO COMPLY WITH THIS REQUIREMENT WILL RESULT IN A CHARGE, AS OUTLINED IN THE CITY OF BARRIE FEES BY-LAW (AS AMENDED).
7. ALL NEW PIPING AND APPURTENANCES PLACED IN THE CONNECTION SHALL BE THOROUGHLY DISINFECTED AS PER AWWA C651: DISINFECTING WATERMAIN (AS AMENDED).
8. A PHYSICAL SEPARATION MUST BE MAINTAINED AT ALL CONNECTION POINTS OF NEW WATERMANS TO THE EXISTING SYSTEM UNTIL BACTERIOLOGICAL SAMPLES CONFIRM SATISFACTORY RESULTS. A SAMPLING TAP MUST BE PROVIDED AT THE END OF EACH BRANCH OR STUB.
9. THE ACTUAL CONFIGURATION USED MUST SATISFY THE INTENT OF THIS DRAWING AND AT THE DISCRETION OF THE CITY REPRESENTATIVE (THE CITY OF BARRIE WATER OPERATIONS BRANCH MUST BE CONSULTED PRIOR TO ANY CONNECTION TO THE EXISTING DRINKING WATER SYSTEM).
10. WINTER PROTECTION MUST BE PROVIDED WHEN APPLICABLE.
11. ALL TEMPORARY CAPS TO BE RESTRAINED. ALL RESTRAINED JOINTS AS PER PIPE MANUFACTURER'S SPECIFICATION.
12. CITY OF BARRIE WATER OPERATIONS MAINTAINS THE RIGHT TO REQUEST ALTERNATIVE BY-PASS ASSEMBLY SIZING IN AREAS WHERE PRESSURE AND FLOW RATES MAY BE AN ISSUE.
13. 100mm AND ABOVE STAINLESS TIE RODS. LENGTHS AS REQUIRED. THREAD BOTH ENDS AND APPROVED RESTRAINER CLAMP ASSEMBLY (PER BSD-519).
14. 50mm ALL JOINTS TO USE A NON LEAD COUPLING WITH INTEGRATED CLAMP SCREW.

	TEMPORARY BY-PASS CONNECTION FOR WATERMANS (UP TO 400mm)	REV No. 2 DATE: NOV 2019
		SCALE: N.T.S.
		BSD-534