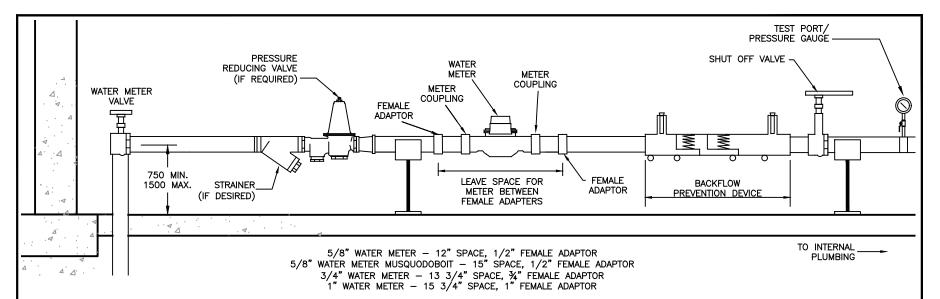


- 1. ALL PRODUCTS AND MATERIALS ARE REQUIRED TO BE NSF-61 COMPLIANT.
- 2. METER, METER COUPLING AND OUTSIDE REMOTE ARE SUPPLIED AND INSTALLED BY HRWC.
- 3. ALL PIPE MATERIAL IS REQUIRED TO BE TYPE K COPPER TUBING TO ASTM B88.
- 4. FOR PEXa WATER SERVICE CONNECTIONS, USE ASTM 2080 COMPRESSION SLEEVE FITTING TO TRANSITION TO THE COPPER TUBING OF THE WATER METER ARRANGEMENT.
- 5. WATER METER TO BE INSTALLED WITHIN 1200 mm OF WHERE THE SERVICE CONNECTION ENTERS THE BUILDING.
- ARRANGEMENT IS TO BE NO LESS THAN 450 mm AND NO MORE THAN 750mm FROM THE FLOOR.
- 7. MINIMUM OF 1200 mm STRAIGHT LENGTH OF TYPE K COPPER TUBING DOWNSTREAM OF THE WATER METER. SECURE THE COPPER TUBING TO THE WALL OR FLOOR.

- 8. THE ARRANGEMENT IS REQUIRED TO BE HORIZONTALLY LEVEL AND HAVE SUFFICIENT ROOM FOR ACCESS.
- 9. A SHUT OFF VALVE MAY BE SUBSTITUTED FOR THE WATER METER VALVE.
- 10. PROVIDE 1" CONDUIT THROUGH FOUNDATION OR EXTERIOR WALL CLOSEST TO THE WATER METER FOR PURPOSE OF INSTALLING AN OUTSIDE REMOTE. PROVIDE SOLID 22 GAUGE, 3 OR 4 STRANDED CONDUCTOR WIRE FROM THE WATER METER TO THE EXTERIOR LOCATION FOR THE OUTSIDE REMOTE.
- 11. INSTALL OUTSIDE REMOTE ON THE DRIVEWAY SIDE OF THE BUILDING OR WHERE DIRECTED BY HRWC.
- 12. ALL COMPONENTS ILLUSTRATED MUST BE INSTALLED PRIOR TO THE WATER METER INSTALLATION.
- 13. THE BUILDING IS REQUIRED TO BE ROOF TIGHT, WITH EXTERIOR SIDING INSTALLED, AND THE CURB STOP AND SERVICE BOX ARE TO BE PLUMB AND LEVEL WITH FINISHED LANDSCAPING PRIOR TO WATER METER INSTALLATION.

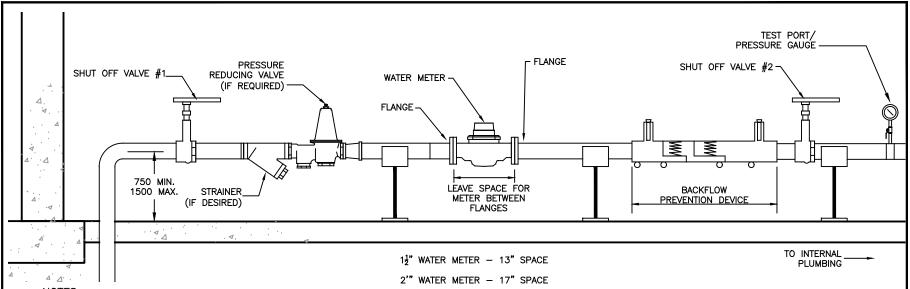
					NOTE: ALL DIMENSIONS SHOWN IN MILLIMETERS,		ILE OF
					UNLESS OTHERWISE NOTED.	(5/8", 3	nm & 25mm /4" & 1")
							ARRANGEMENT
					Halifax	DRAWN J.W./SJT CHECKED J.D.	SCALE (PLAN) SCALE (PROFILE) N.T.S.
					Water	APPROVED K.G.	DATE 08/05/17
1	NEW DETAIL FOR 2017	08 05 17	ST	KG	Water	PROJECT No.	
No.	DESCRIPTION	DATE	BY	CHKD		DWG. No. HWSI	D-001



- 1. ALL PRODUCTS AND MATERIALS ARE REQUIRED TO BE NSF61 COMPLIANT.
- 2. METER, METER COUPLING AND OUTSIDE REMOTE ARE SUPPLIED BY HRWC.
- 3. ALL PIPE MATERIAL IS REQUIRED TO BE TYPE K COPPER TUBING TO ASTM B88.
- 4. FOR PEXa WATER SERVICE CONNECTIONS, USE ASTM 2080 COMPRESSION SLEEVE FITTING TO TRANSITION TO THE COPPER TUBING OF THE WATER METER ARRANGEMENT.
- WATER METER TO BE INSTALLED WITHIN 1200 mm OF WHERE THE SERVICE CONNECTION ENTERS THE BUILDING.
- 6. ARRANGEMENT IS TO BE NO LESS THAN 750 mm AND NO MORE THAN 1500 mm FROM THE FLOOR.
- 7. MINIMUM OF 1200 mm STRAIGHT LENGTH OF TYPE K COPPER TUBING DOWNSTREAM OF SHUT OFF VALVE #2. SECURE THE COPPER TUBING TO THE WALL OR FLOOR.
- 8. THE ARRANGEMENT IS REQUIRED TO BE HORIZONTALLY LEVEL AND HAVE SPECIFIED ROOM FOR ACCESS.

- 9. A SHUT OFF VALVE MAY BE SUBSTITUTED FOR THE WATER METER VALVE.
- 10. PROVIDE ½" CONDUIT THROUGH FOUNDATION OR EXTERIOR WALL CLOSEST TO THE WATER METER FOR PURPOSE OF INSTALLING AN OUTSIDE REMOTE PROVIDE SOLID 22 GAUGE, 3 OR 4 STRANDED CONDUCTOR WIRE FROM THE WATER METER TO THE EXTERIOR LOCATION FOR THE OUTSIDE REMOTE.
- 11. INSTALL OUTSIDE REMOTE ON THE DRIVEWAY SIDE OF THE BUILDING OR WHERE DIRECTED BY HRWC.
- 12. ALL COMPONENTS ILLUSTRATED MUST BE INSTALLED PRIOR TO THE WATER METER INSTALLATION
- 13. THE BUILDING IS REQUIRED TO BE ROOF TIGHT, WITH EXTERIOR SIDING INSTALLED, AND THE CURB STOP AND SERVICE BOX ARE TO BE PLUMB AND LEVEL WITH FINISHED LANDSCAPING PRIOR TO WATER METER INSTALLATION.

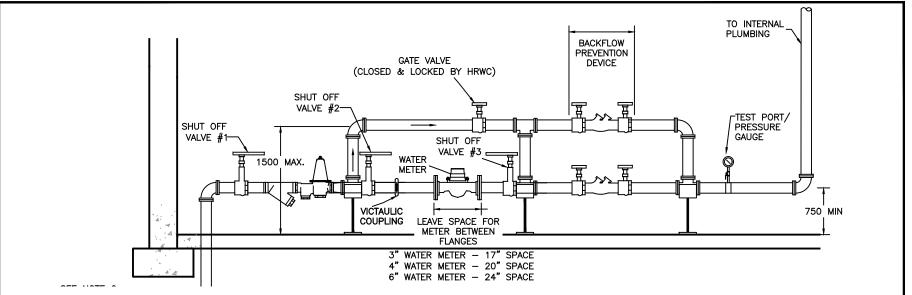
					NOTE: ALL DIMENSIONS SHOWN IN MILLIMETERS,	PROFILE 15mm, 19mm		
					UNLESS OTHERWISE NOTED.	(5/8", 3/4" & 1") WATER METER & BACKFLOW		
						WATER METER & PREVENTION DEVICE	& BACKFLOW E ARRANGEMENT	
					C TT-1:C-	DRAWN S.T. SI	CALE PLAN)	
						CHECKED J.D. SI	CALE PROFILE) N.T.S.	
					Water	APPROVED K.G.	ATE 08/05/17	
1	NEW DETAIL FOR 2017	08 05 17	ST	KG	Water	PROJECT No.		
No.	DESCRIPTION	DATE	BY	СНКО		DWG. No. HWSD -	- 002	



- NOTES:
- 1. ALL PRODUCTS AND MATERIALS ARE REQUIRED TO BE NSF61 COMPLIANT.
- 2. METER AND OUTSIDE REMOTE ARE SUPPLIED BY HRWC.
- ALL PIPE MATERIAL IS REQUIRED TO BE TYPE K COPPER TUBING TO ASTM B88, OR DUCTILE IRON, SPECIAL CLASS 52/54 TO AWWA C151.
- 4. FOR PEXa WATER SERVICE CONNECTIONS, USE ASTM 2080 COMPRESSION SLEEVE FITTING TO TRANSITION TO THE COPPER TUBING OF THE WATER METER ARRANGEMENT.
- WATER METER TO BE INSTALLED WITHIN 1200 mm OF WHERE THE SERVICE CONNECTION ENTERS THE BUILDING.
- 6. ARRANGEMENT IS TO BE NO LESS THAN 750 mm AND NO MORE THAN 1500mm FROM THE FLOOR.
- MINIMUM OF 1200 mm STRAIGHT LENGTH OF TYPE K COPPER TUBING OR DUCTILE IRON DOWNSTREAM OF THE WATER METER. SECURE THE PIPING TO THE WALL OR FLOOR.

- 8. THE ARRANGEMENT IS REQUIRED TO BE HORIZONTALLY LEVEL AND HAVE SPECIFIED ROOM FOR ACCESS
- 9. PROVIDE 1" CONDUIT THROUGH FOUNDATION OR EXTERIOR WALL CLOSEST TO THE WATER METER FOR PURPOSE OF INSTALLING AN OUTSIDE REMOTE. PROVIDE SOLID 22 GAUGE, 3 OR 4 STRANDED CONDUCTOR WIRE FROM THE WATER METER TO THE EXTERIOR LOCATION FOR THE OUTSIDE REMOTE.
- 10. INSTALL OUTSIDE REMOTE ON THE DRIVEWAY SIDE OF THE BUILDING OR WHERE DIRECTED BY HRWC.
- 11. ALL COMPONENTS ILLUSTRATED MUST BE INSTALLED PRIOR TO THE WATER METER INSTALLATION.
- 12. THE BUILDING IS REQUIRED TO BE ROOF TIGHT, WITH EXTERIOR SIDING INSTALLED, AND THE CURB STOP AND SERVICE BOX ARE TO BE PLUMB AND LEVEL WITH FINISHED LANDSCAPING PRIOR TO WATER METER INSTALLATION.

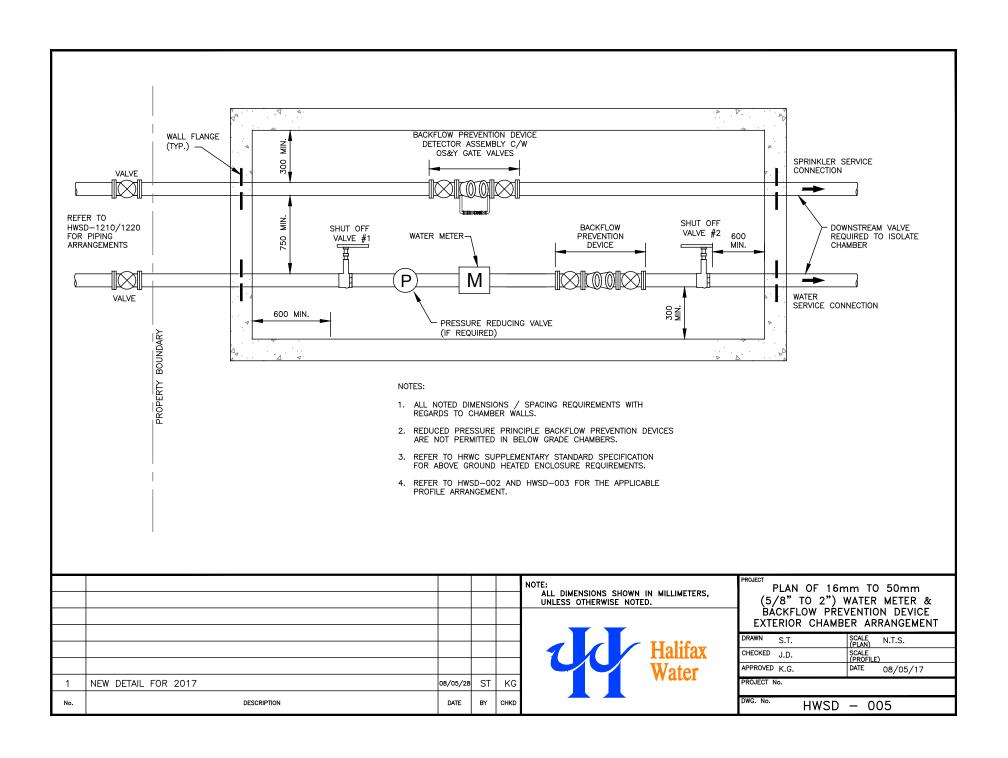
					NOTE: ALL DIMENSIONS SHOWN IN MILLIMETERS, UNLESS OTHERWISE NOTED.	38 mm & 50 mm	LE OF n (1-1/2" & 2")
					Helifor	WATER METER & BACKFLOW PREVENTION DEVICE DRAWN S.T. SCALE (PLAN)	
					Halifax Water	APPROVED K.G.	SCALE (PROFILE) N.T.S. DATE 08/05/17
1	NEW DETAIL FOR 2017	08/05/17	ST	KG	, , , , , , , , , , , , , , , , , , ,	PROJECT No.	
No.	DESCRIPTION	DATE	BY	CHKD		DWG. No. HWSD	- 003

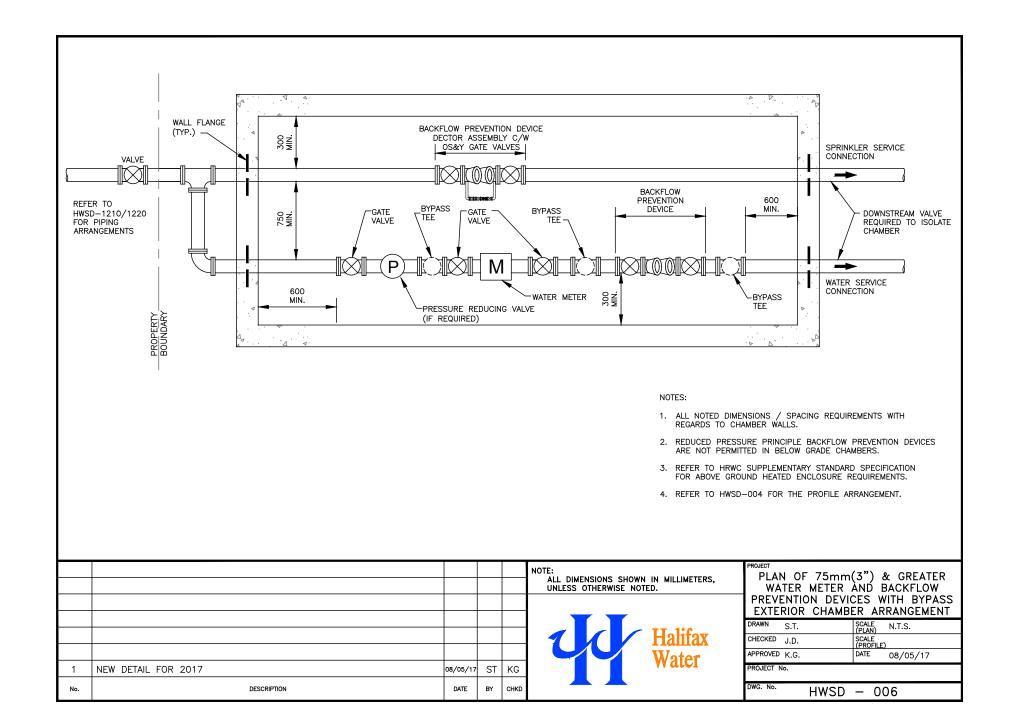


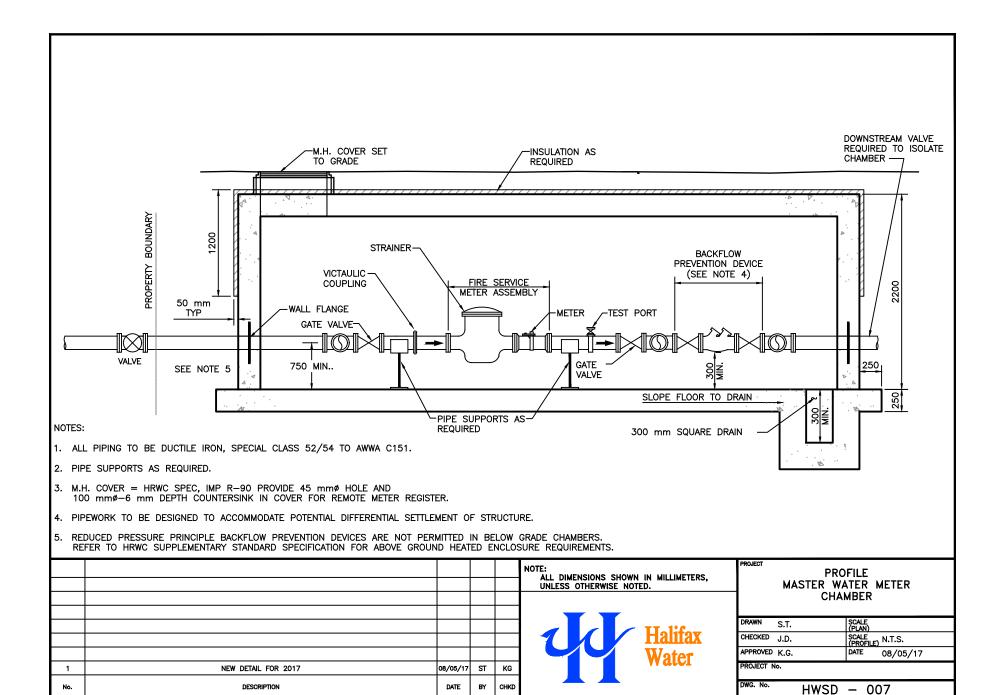
- 1. ALL PRODUCTS AND MATERIALS ARE REQUIRED TO BE NSF61 COMPLIANT.
- 2. WATER METER AND OUTSIDE REMOTE ARE SUPPLIED BY HRWC.
- ALL PIPE MATERIAL IS REQUIRED TO BE TYPE K COPPER TUBING TO ASTM B88, OR DUCTILE IRON, SPECIAL CLASS 52/54 TO AWWA C151.
- 4. FOR PEXa WATER SERVICE CONNECTIONS, USE ASTM 2080 COMPRESSION SLEEVE FITTING TO TRANSITION TO THE COPPER TUBING OF THE WATER METER ARRANGEMENT.
- 5. WATER METER TO BE INSTALLED WITHIN 1200 mm OF WHERE THE SERVICE CONNECTION ENTERS THE BUILDING.
- 6. ARRANGEMENT IS TO BE NO LESS THAN 750 mm AND NO MORE THAN 1500mm FROM THE FLOOR.
- 7. PROVIDE STRAIGHT LENGTH OF PIPE EQUAL TO 5 TIMES THE DIAMETER OF THE PIPE UPSTREAM AND DOWNSTREAM OF THE WATER METER.

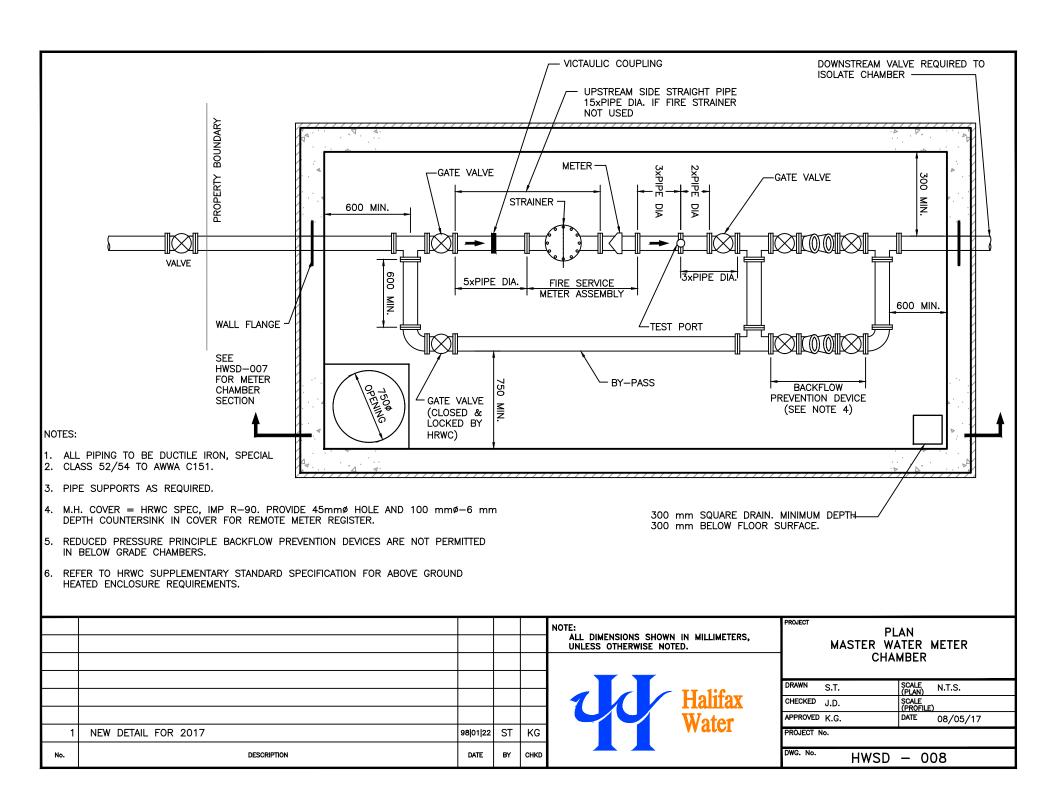
- 8. THE ARRANGEMENT IS REQUIRED TO BE HORIZONTALLY LEVEL AND HAVE SPECIFIED ROOM FOR ACCESS.
- PROVIDE 1" CONDUIT THROUGH FOUNDATION OR EXTERIOR WALL CLOSEST TO THE WATER METER FOR PURPOSE OF INSTALLING AN OUTSIDE REMOTE. PROVIDE SOLID 22 GAUGE, 3 OR 4 STRANDED CONDUCTOR WIRE FROM THE WATER METER TO THE EXTERIOR LOCATION FOR THE OUTSIDE REMOTE.
- 10. INSTALL OUTSIDE REMOTE ON THE DRIVEWAY SIDE OF THE BUILDING OR WHERE DIRECTED BY HRWC.
- 11. ALL COMPONENTS ILLUSTRATED MUST BE INSTALLED PRIOR TO THE WATER METER INSTALLATION.
- 12. THE BUILDING IS REQUIRED TO BE ROOF TIGHT, WITH EXTERIOR SIDING INSTALLED, AND THE CURB STOP AND SERVICE BOX ARE TO BE PLUMB AND LEVEL WITH FINISHED LANDSCAPING PRIOR TO WATER METER INSTALLATION.
- 13. DETAILS OF THRUST RESTRAINT SYSTEM AND PIPE SUPPORTS TO BE DESIGNED AND STAMPED BY THE DESIGN ENGINEER.

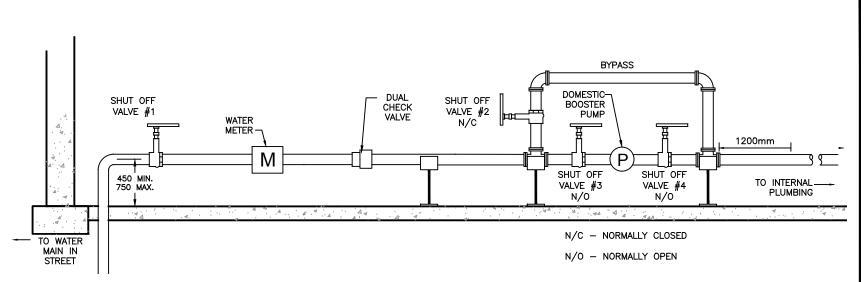
					NOTE: ALL DIMENSIONS SHOWN IN MILLIMETERS, UNLESS OTHERWISE NOTED.	PROFILE OF 75mm (3") AND GREATER WATER METER AND BACKFLOW PREVENTION DEVICE BY-PASS ARRANGEMENT		
		<u> </u>						
		+			TT-life-	DRAWN S.T.	SCALE (PLAN)	
		+-			Hantax	CHECKED J.D.	SCALE (PROFILE) N.T.S.	
					Water	APPROVED K.G.	DATE 08/05/17	
1	NEW DETAIL FOR 2017	08/05/17	SI	KG	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PROJECT No.		
No.	DESCRIPTION	DATE	BY	CHKD		DWG. No. HWS	D - 004	







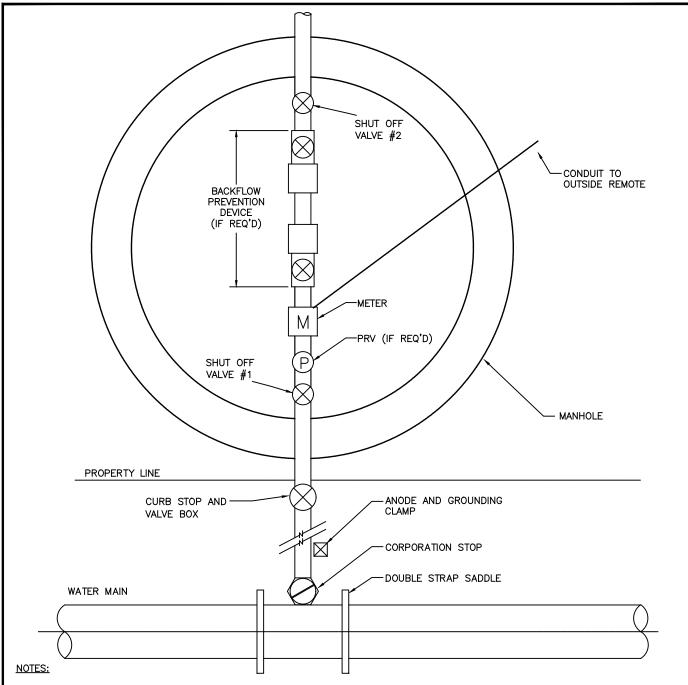




- 1. ALL PRODUCTS AND MATERIALS ARE REQUIRED TO BE NSF-61 COMPLIANT.
- 2. DOMESTIC BOOSTER PUMP SIZING AND PRODUCT SPECIFICATION AS PER BUILDING PLUMBING DESIGNER.
- 3. MINIMUM WATER SERVICE CONNECTION DIAMETER IS 25 mm.
- 4. REFER TO HWSD-001, HWSD-002 OR HWSD-003 FOR THE APPLICABLE PROFILE ARRANGEMENT.
- 5. ALL PIPE MATERIAL IS REQUIRED TO BE TYPE K COPPER TUBING TO ASTM B88.
- 6. FOR PEXa WATER SERVICE CONNECTIONS, USE ASTM 2080 COMPRESSION SLEEVE FITTING TO TRANSITION TO THE COPPER TUBING OF THE WATER METER ARRANGEMENT.
- 7. ARRANGEMENT IS TO BE NO LESS THAN 450 mm AND NO MORE THAN 750mm FROM THE FLOOR.

- MINIMUM OF 1200 mm STRAIGHT LENGTH OF TYPE K COPPER TUBING DOWNSTREAM OF BY PASS ARRANGEMENT SECURE THE COPPER TUBING TO THE WALL OR FLOOR.
- THE ARRANGEMENT IS REQUIRED TO BE HORIZONTALLY LEVEL AND HAVE SUFFICIENT ROOM FOR ACCESS.
- 10. PROVIDE ½" CONDUIT THROUGH FOUNDATION OR EXTERIOR WALL CLOSEST TO THE WATER METER FOR PURPOSE OF INSTALLING AN OUTSIDE REMOTE. PROVIDE SOLID 22 GAUGE, 3 OR 4 STRANDED CONDUCTOR WIRE FROM THE WATER METER TO THE EXTERIOR LOCATION FOR THE OUTSIDE REMOTE.
- 11. INSTALL OUTSIDE REMOTE ON THE DRIVEWAY SIDE OF THE BUILDING OR WHERE DIRECTED BY HRWC.
- 12. ALL COMPONENTS ILLUSTRATED MUST BE INSTALLED PRIOR TO THE WATER METER INSTALLATION.
- 13. THE BUILDING IS REQUIRED TO BE ROOF TIGHT, WITH EXTERIOR SIDING INSTALLED, AND THE CURB STOP AND SERVICE BOX ARE TO BE PLUMB AND LEVEL WITH FINISHED LANDSCAPING PRIOR TO WATER METER INSTALLATION.

					NOTE: ALL DIMENSIONS SHOWN IN MILLIMETERS, UNLESS OTHERWISE NOTED.	PROFILE RESIDENTIAL WATER		
						BOOSTER PUMP ARRANGEMENT		
					TT TO	DRAWN S.T.	SCALE (PLAN)	
					Halifax	CHECKED J.D.	SCALE N.T.S.	
					Water	APPROVED K.G.	DATE 08/05/17	
1	NEW DETAIL FOR 2017	08/05/17	ST	KG	Water	PROJECT No.		
No.	DESCRIPTION	DATE	BY	CHKD		DWG. No. HWS	D - 009	



- 1. ALL PIPE, MANHOLE, FRAME AND COVER, VALVES AND FITTINGS TO BE SUPPLIED BY CONTRACTOR.
- 2. MANHOLE 2400 mm WITH B.F.P, 1800 mm WITHOUT B.F.P.
- 3. CONTRACTOR TO INSTALL CONDUIT AND SUPPORT/PROTECTION FOR REMOTE REGISTER, SUBJECT TO HRWC APPROVAL.
- 4. MINIMUM DEPTH OF METER FROM FINISHED GRADE 1600 mm.
- 5. INSULATION IS REQUIRED. SEE HWSD-1310 FOR DETAILS.

- 6. SEE HWSD-1180 FOR INSTALLATION OF SERVICES 38 mm AND OVER.
- 7. SEE HWSD-1310 FOR PRECAST CONCRETE CHAMBER DETAILS
- 8. SEE HWSD-1460 FOR MANHOLE FRAME AND COVER DETAILS
- 9. SEE HWSD-001, HWSD-002 OR HWSD-003 FOR WATER METER ARRANGEMENT REQUIREMENTS.

					NOTE: ALL DIMENSIONS SHOWN IN MILLIMETERS, UNLESS OTHERWISE NOTED.	PLAN OF 16mm TO 50mm (5/8" TO 2") WATER METER PIT			
						DRAWN J.W.	SCALE N.T.S.		
					Halifax Water	CHECKED J.D. APPROVED K.G.	SCALE (PROFILE) DATE 08/05/17		
1	NEW DETAIL FOR 2017 SPEC.	08/05/17	ST	KG	Water	PROJECT No.			
No.	DESCRIPTION	DATE	BY	CHKD		DWG. No. HWSD	- 010		

