



**NOTES:**

1. ALL DOMESTIC BACKFLOW AND PLUMBING SHALL BE LEAD-FREE.
2. LOCATE THE ASSEMBLY A MINIMUM 1' PAST THE METER BOX. OTHER LOCATIONS MUST BE APPROVED BY THE DISTRICT INSPECTOR PRIOR TO INSTALLATION.
3. PLACE BOTTOM OF UNIT A MINIMUM OF 12-INCHES AND NOT MORE THAN 36-INCHES ABOVE FINISH GRADE OF THE SURROUNDING GROUND.
4. THE DEVICE MUST BE INSPECTED AND TESTED IMMEDIATELY AFTER INSTALLATION. CONTACT DISTRICT FOR INSPECTION & TESTING.
5. CONCRETE THRUST BLOCK AND/OR ABOVE GROUND SLAB REQUIRE INSPECTION BEFORE CONCRETE IS POURED. CONCRETE SLAB DIMENSION SHALL BE IN ACCORDANCE WITH CLEARANCE REQUIREMENTS ON W-21B.
6. MATERIALS SHALL BE SELECTED FROM THE APPROVED MATERIALS LIST.
7. PIPING SHALL BE PAINTED BLUE FOR POTABLE WATER AND PURPLE FOR RECYCLED WATER.

ITEM	EACH	DESCRIPTION	SPEC.	REMARKS
①	2	REDUCED PRESSURE PRINCIPLE BACKFLOW DEVICE	PER STANDARD TECHNICAL SPECIFICATIONS	MUST BE STATE & UPC APPROVED TYPE
②	2	FLANGED RESILIENT WEDGE GATE VALVE	PER STANDARD TECHNICAL SPECIFICATIONS	SEE APPROVED MATERIALS LIST
③	2	90° ELBOW	PER STANDARD TECHNICAL SPECIFICATIONS	DUCTILE IRON
④	2	FLANGED RISER PIPE	PER STANDARD TECHNICAL SPECIFICATIONS	DUCTILE IRON SPOOLS
⑤	1	ANGLE PRESSURE REDUCING VALVE	SEE APPROVED MATERIALS LIST	FOR PRESSURE IN EXCESS OF 100 PSI
⑥	2	FLG x FLG 90° ELBOW	PER STANDARD TECHNICAL SPECIFICATIONS	DUCTILE IRON
⑦	2	ADJUSTABLE PIPE SUPPORT	SEE APPROVED MATERIALS LIST	
⑧	L.F.	P.V.C. OR DUCTILE IRON PIPING	PER STANDARD TECHNICAL SPECIFICATIONS	SIZE AS REQUIRED
⑨	4	BRASS PLUGS		AS REQUIRED BY DISTRICT
⑩	2	1 3/8" ZINC PLATED CHAIN	LENGTH AS REQUIRED	TO SECURE VALVE

REVISION	BY	APPR	DATE

5/23/2024  
 PARAG KALARIA R.C.E. 83927 DATE

## BACKFLOW PREVENTION ASSEMBLY (2 1/2" AND LARGER) ABOVE GROUND INSTALLATION

STD. DWG. NO.  
**W-21C**