



**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. THE BACKFLOW PREVENTER ASSEMBLY SHALL CONSIST OF AN APPROVED REDUCED PRESSURE OR DOUBLE DETECTOR CHECK VALVE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS. THE ASSEMBLIES SHALL BE SUITABLE FOR SUPPLY PRESSURES.
4. THE BACKFLOW ASSEMBLY SHALL BE OF BRONZE CONSTRUCTION WITH ALL CONNECTIONS ON THE UNIT TO BE THREADED BRASS OR SWEATED COPPER MATERIAL FOR 3/4" THROUGH 2"; 2 1/2" AND ABOVE SHALL HAVE FLANGED FITTINGS TOGETHER WITH STAINLESS STEEL NUTS AND BOLTS.
5. LOCATION AND INSTALLATION SHALL BE PER PLAN AS SUBMITTED TO AND ACCEPTED BY THE DISTRICT.
6. ALL ASSEMBLIES 2 1/2" AND LARGER TO BE INSTALLED SHALL BE EQUIPPED WITH RESILIENT WEDGE GATE VALVES.
7. CLEARANCES ARE SHOWN, EXCEPT THAT LATERAL CLEARANCES SHALL BE 12-INCHES MINIMUM EACH DIRECTION.
8. ASSEMBLIES SHALL NOT BE LOCATED IN AREAS SUBJECT TO FLOODING.
9. ONLY SECURITY ENCLOSURES PROVIDING ADEQUATE CLEARANCES AND FULL VIEW OF ASSEMBLY SHALL BE PERMITTED.
10. LANDSCAPING OR CONSTRUCTION AROUND ASSEMBLY SHALL PERMIT AN UNOBSTRUCTED VIEW FROM AT LEAST ONE PUBLIC VANTAGE POINT.
11. FINAL INSPECTION AND ACCEPTANCE TEST SHALL BE PROVIDED BY DISTRICT BACKFLOW INSPECTOR.
12. NO CONNECTIONS OR TEES ARE PERMITTED BETWEEN METER AND BACKFLOW PREVENTER.
13. SIZES 3" AND LARGER SHALL HAVE ADDITIONAL PIPE SUPPORT.
14. SIZES 3/4" THROUGH 2" SHALL HAVE (1) UNION PLACED ON DOWNSTREAM CUSTOMER PIPING.
15. BACKFLOW ASSEMBLY TO BE THE SAME SIZE OR ONE SIZE LARGER THAN METER.
16. MATERIALS SHALL BE SELECTED FROM THE APPROVED MATERIALS LIST.
17. BRASS PLUGS ARE TO BE USED.
18. CONCRETE SHALL BE CLASS 560-C-3250.

| ITEM | DESCRIPTION                           |
|------|---------------------------------------|
| ①    | ACCEPTED BACKFLOW PREVENTION ASSEMBLY |
| ②    | BALL VALVE (CUSTOMER SERVICE VALVE)   |
| ③    | SERVICE METER                         |
| ④    | WATER MAIN                            |

| REVISION          | BY | APPR | DATE     |
|-------------------|----|------|----------|
| CONCRETE PAD SPEC | AK | JZ   | 02-19-25 |
|                   |    |      |          |
|                   |    |      |          |
|                   |    |      |          |

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

## BACKFLOW PREVENTION ASSEMBLY ABOVE GROUND INSTALLATION

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