### NOTES:

1. **INLET**
2. **OUTLET**
3. **WALL SLEEVE, 2" GREATER THAN SUPPLY PIPE DIAMETER**
4. **FLANGE X PLAIN END WALL PIPE**
5. **DOUBLE CHECK DETECTOR BACKFLOW ASSEMBLY**
6. **FORD A32PR-8R INSPECTION RING, CENTERED OVER DETECTOR METER**
7. **30"x30" ACCESS HATCH**
8. **SUMP HOLE**
9. **CONCRETE VAULT, PRECAST OR CAST-IN-PLACE**
   - **DESIGN BY OTHERS**

A. **CLEAR DISTANCE, 12" MINIMUM**
B. **CLEAR DISTANCE = FLANGE DIA./2 + 12", 18" MINIMUM**
L. **VAULT LENGTH PER VAULT SUPPLIER/DESIGNER**
W. **VAULT WIDTH PER VAULT SUPPLIER/DESIGNER**

**ALL NUTS AND BOLTS SHALL BE STAINLESS STEEL GRADE 304 OR BETTER, COATED TO PREVENT CALLING AND SEIZING.**
**FLANGE GASKETS SHALL BE 3/4" THICK 150 LB. RED RUBBER.**

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**BACKFLOW VAULT DETAIL – 3” AND LARGER**

<table>
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<th>DATE: 04-01-23</th>
<th>REV.: 5</th>
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<td>APPROVED: APE</td>
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</tbody>
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**City of Lawrence**

**MUNICIPAL SERVICES & OPERATIONS**

**SHEET 1 OF 3**
NOTES:

1. INLET
2. OUTLET
3. WALL SLEEVE, 2" GREATER THAN SUPPLY PIPE DIAMETER
4. FLANGE X PLAIN END WALL PIPE
5. DOUBLE CHECK DETECTOR BACKFLOW ASSEMBLY
6. FORD A32PR-8R INSPECTION RING, CENTERED OVER DETECTOR METER
7. 30"x30" ACCESS HATCH
8. SUMP HOLE
9. CONCRETE VAULT, PRECAST OR CAST-IN-PLACE
   DESIGN BY OTHERS
10. CONCRETE PIPE SUPPORT
11. STEPS, MA INDUSTRIES PS2-PF-DF OR EQUAL, (OPTIONAL)
12. CLEAR DISTANCE, 12" MINIMUM
13. CLEAR DISTANCE = FLANGE DIAMETER/2 + 12", 18" MINIMUM
14. VAULT LENGTH PER VAULT SUPPLIER/DESIGNER
15. VAULT HEIGHT PER VAULT SUPPLIER/DESIGNER, 5'-0" MINIMUM

ALL NUTS AND BOLTS SHALL BE STAINLESS STEEL GRADE 304 OR BETTER, COATED TO PREVENT CALLING AND SEIZING. FLANGE GASKETS SHALL BE 1/4" THICK 150 LB. RED RUBBER.
NOTES:

3 WALL SLEEVE, 2" GREATER THAN SUPPLY PIPE DIAMETER

5 FORD A32PR-BR INSPECTION RING, CENTERED OVER DETECTOR

6 METER

7 30"x30" ACCESS HATCH

8 SUMP HOLE

9 CONCRETE VAULT, PRECAST OR CAST-IN-PLACE

10 DESIGN BY OTHERS

11 STEPS, MA INDUSTRIES PS2-PF-OF OR EQUAL, (OPTIONAL)

A CLEAR DISTANCE = FLANGE DIA./2 + 12", 18" MINIMUM

C CLEAR DISTANCE = FLANGE DIA./2 + 12", 18" MINIMUM

ALL NUTS AND BOLTS SHALL BE STAINLESS STEEL GRADE 304 OR BETTER, COATED TO PREVENT CALLING AND SEIZING.
FLANGE GASKETS SHALL BE 1.5" THICK 150 LB. RED RUBBER.