

**NOTES:**

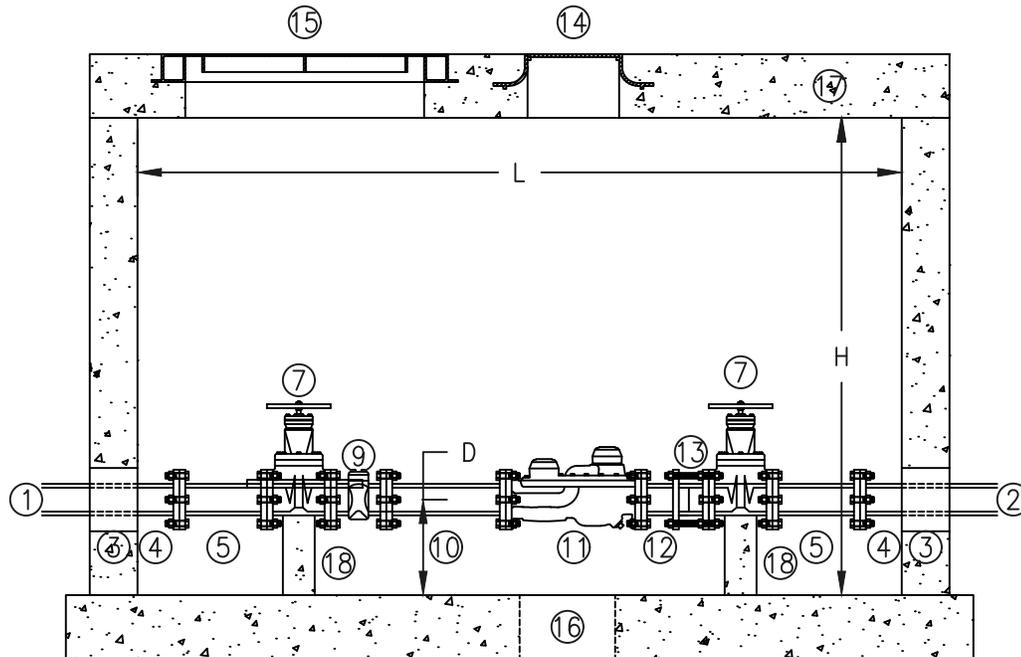
- |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                        |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>1 INLET</li> <li>2 OUTLET</li> <li>3 WALL SLEEVE, 2" GREATER THAN SUPPLY PIPE DIAMETER</li> <li>4 FLANGE X PLAIN END WALL PIPE</li> <li>5 TEE, FLxFLxFL</li> <li>6 90° FLxFL ELBOW</li> <li>7 OS&amp;Y RESILIENT SEAT GATE VALVE WITH HAND WHEEL, FLxFL</li> <li>8 FLxFL PIPE, LENGTH AS REQUIRED OR FLxPE WITH RESTRAINED FLANGED COUPLING ADAPTER</li> <li>9 PLATE STRAINER, SUPPLIED BY CITY</li> <li>10 FLxFL PIPE, LENGTH EQUAL TO 5x METER SIZE</li> <li>11 WATER METER, SUPPLIED BY CITY</li> </ul> | <ul style="list-style-type: none"> <li>12 FLxPE PIPE, LENGTH EQUAL TO 2x METER SIZE</li> <li>13 FLANGED COUPLING ADAPTER, ROMAC FCA501 OR EQUAL</li> <li>14 FORD A32PR-BR INSPECTION RING, CENTERED OVER METER</li> <li>15 30"x30" ACCESS HATCH</li> <li>16 SUMP HOLE</li> <li>17 CONCRETE VAULT, PRECAST OR CAST-IN-PLACE DESIGN BY OTHERS</li> </ul> |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
- A,B CLEAR DISTANCES, SEE VAULT SIZE TABLE  
 C CLEAR DISTANCE = FLANGE DIA./2 + 12", 18" MIN.  
 L VAULT LENGTH, VARIES BY METER SIZE SEE VAULT SIZE TABLE  
 W VAULT WIDTH, VARIES BY METER SIZE SEE VAULT SIZE TABLE

ALL NUTS AND BOLTS SHALL BE STAINLESS STEEL GRADE 304 OR BETTER, COATED TO PREVENT GALLING AND SEIZING.  
 FLANGE GASKETS SHALL BE 1/8" THICK 150 LB. RED RUBBER.  
 BYPASS MAY BE CONSTRUCTED OUTSIDE OF METER VAULT IF WARRANTED BY SITE CONDITIONS WITH APPROVAL OF DEPARTMENT OF MUNICIPAL SERVICES AND OPERATIONS STAFF.

METER VAULT DETAIL - 3" AND LARGER

|              |                |         |
|--------------|----------------|---------|
| SCALE: NONE  | DATE: 04-01-26 | REV.: 5 |
| REV. BY: APE | APPROVED: APE  |         |





SECTION A-A

NOTES:

- |    |                                                       |    |                                                           |
|----|-------------------------------------------------------|----|-----------------------------------------------------------|
| 1  | INLET                                                 | 15 | 30"x30" ACCESS HATCH                                      |
| 2  | OUTLET                                                | 16 | SUMP HOLE                                                 |
| 3  | WALL SLEEVE, 2" GREATER THAN SUPPLY PIPE DIAMETER     | 17 | CONCRETE VAULT, PRECAST OR CAST-IN-PLACE DESIGN BY OTHERS |
| 4  | FLANGE X PLAIN END WALL PIPE                          | 18 | CONCRETE PIPE SUPPORT                                     |
| 5  | TEE, FLxFLxFL                                         | D  | CLEAR DISTANCE = FLANGE DIA./2 + 12", 18" MINIMUM         |
| 7  | OS&Y RESILIENT SEAT GATE VALVE WITH HAND WHEEL, FLxFL | L  | VAULT LENGTH, VARIES BY METER SIZE SEE VAULT SIZE TABLE   |
| 9  | PLATE STRAINER, SUPPLIED BY CITY                      | H  | VAULT HEIGHT, 5'-0" MINIMUM                               |
| 10 | FLxFL PIPE, LENGTH EQUAL TO 5x METER SIZE             |    |                                                           |
| 11 | WATER METER, SUPPLIED BY CITY                         |    |                                                           |
| 12 | FLxPE PIPE, LENGTH EQUAL TO 2x METER SIZE             |    |                                                           |
| 13 | FLANGED COUPLING ADAPTER, ROMAC FCA501 OR EQUAL       |    |                                                           |
| 14 | FORD A32PR-BR INSPECTION RING, CENTERED OVER METER    |    |                                                           |

ALL NUTS AND BOLTS SHALL BE STAINLESS STEEL GRADE 304 OR BETTER, COATED TO PREVENT GALLING AND SEIZING.

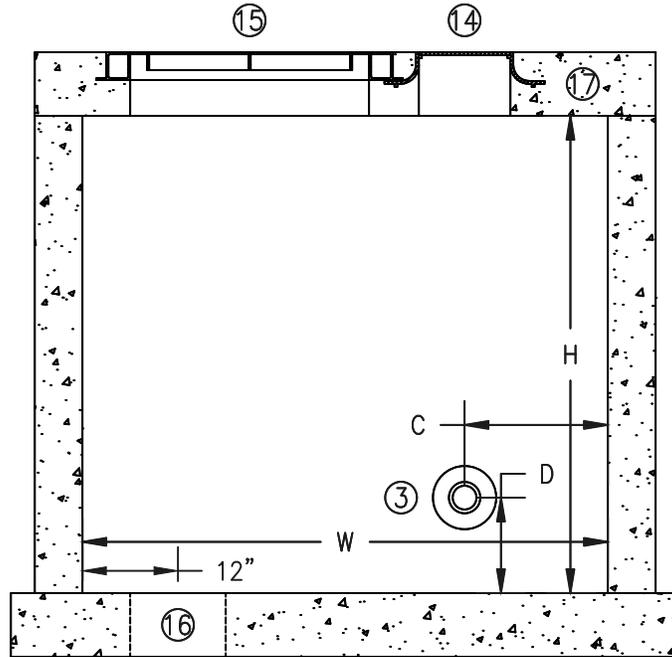
FLANGE GASKETS SHALL BE  $\frac{1}{8}$ " THICK 150 LB. RED RUBBER.

BYPASS MAY BE CONSTRUCTED OUTSIDE OF METER VAULT IF WARRANTED BY SITE CONDITIONS WITH APPROVAL OF DEPARTMENT OF MUNICIPAL SERVICES AND OPERATIONS STAFF.

METER VAULT DETAIL - 3" AND LARGER

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SECTION B-B

NOTES:

- 3 WALL SLEEVE, 2" GREATER THAN SUPPLY PIPE DIAMETER
- 14 FORD A32PR-BR INSPECTION RING, CENTERED OVER METER
- 15 30"x30" ACCESS HATCH
- 16 SUMP HOLE
- 17 CONCRETE VAULT, PRECAST OR CAST-IN-PLACE  
DESIGN BY OTHERS
- C CLEAR DISTANCE = FLANGE DIA./2 + 12", 18" MINIMUM
- D CLEAR DISTANCE FLANGE DIA./2+12", 18" MINIMUM
- H VAULT HEIGHT, 5'-0" MINIMUM
- W VAULT WIDTH, VARIES BY METER SIZE SEE VAULT SIZE TABLE

ALL NUTS AND BOLTS SHALL BE STAINLESS STEEL GRADE 304 OR BETTER, COATED TO PREVENT GALLING AND SEIZING.

FLANGE GASKETS SHALL BE  $\frac{1}{8}$ " THICK 150 LB. RED RUBBER.

BYPASS MAY BE CONSTRUCTED OUTSIDE OF METER VAULT IF WARRANTED BY SITE CONDITIONS WITH APPROVAL OF DEPARTMENT OF MUNICIPAL SERVICES AND OPERATIONS STAFF.

METER VAULT DETAIL - 3" AND LARGER

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## METER VAULT SIZE TABLE

| METER SIZE | VAULT LENGTH | CLR. DIST. "A" | VAULT WIDTH | CLR. DIST. "B" | CLR. DIST. "C" |
|------------|--------------|----------------|-------------|----------------|----------------|
| 3"(C)      | 8'-0"        | 0'-5 1/4"      | 6'-0"       | 2'-8"          | 1'-6"          |
| 3"(T)      | 8'-0"        | 0'-7 3/4"      | 6'-0"       | 2'-8"          | 1'-6"          |
| 4"(C)      | 10'-0"       | 0'-8 1/2"      | 6'-0"       | 2'-8"          | 1'-6"          |
| 4"(T)      | 10'-0"       | 0'-11 1/2"     | 6'-0"       | 2'-8"          | 1'-6"          |
| 6"(C)      | 12'-0"       | 0'-6 15/16"    | 6'-0"       | 2'-8"          | 1'-6"          |
| 6"(T)      | 12'-0"       | 0'-9 15/16"    | 6'-0"       | 2'-8"          | 1'-6"          |
| 8"(T)      | 14'-0"       | 0'-8 3/8"      | 6'-0"       | 2'-8"          | 1'-6 3/4"      |
| 10"(T)     | 17'-0"       | 0'-9 7/8"      | 7'-0"       | 2'-8"          | 1'-8"          |
| 12"(T)     | 18'-0"       | 0'-7 1/2"      | 7'-0"       | 2'-8"          | 1'-9 1/2"      |

(C) DENOTES COMPOUND SERIES METER

(T) DENOTES TURBO SERIES METER

CLEAR DISTANCES LISTED ARE MINIMUMS

### METER VAULT SIZING TABLE

|              |                |         |
|--------------|----------------|---------|
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