NOTES:

1. INLET
2. OUTLET
3. WALL SLEEVE, 2" GREATER THAN SUPPLY PIPE DIAMETER
4. FLANGE X PLAIN END WALL PIPE
5. TEE, FLXFL
6. 90° FLXFL ELBOW
7. OS&B RESILIENT SEAT GATE VALVE WITH HAND WHEEL, FLXFL
8. FLXFL PIPE, LENGTH AS REQUIRED OR FLXPE WITH RESTRAINED A,B
9. FLANGED COUPLING ADAPTER
10. PLATE STRAINER, SUPPLIED BY CITY
11. FLXFL PIPE, LENGTH EQUAL TO 5x METER SIZE
12. FLXPE PIPE, LENGTH EQUAL TO 2x METER SIZE
13. FLANGED COUPLING ADAPTER, ROMAC FC4501 OR EQUAL
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:

CLEAR DISTANCES, SEE VAULT SIZE TABLE

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

VAULT LENGTH, VARIES BY METER SIZE SEE VAULT SIZE TABLE

L

VAULT WIDTH, VARIES BY METER SIZE SEE VAULT SIZE TABLE

W


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

METER VAULT DETAIL – 3" AND LARGER

SCALE: NONE  DATE: 02–05–19  REV.: 5
REV. BY: APE  APPROVED: APE

CITY OF LAWRENCE, KANSAS
MUNICIPAL SERVICES AND OPERATIONS

SHEET 1 OF 4
NOTES:
1. INLET
2. OUTLET
3. WALL SLEEVE, 2” GREATER THAN SUPPLY PIPE DIAMETER
4. FLANGE X PLAIN END WALL PIPE
5. TEE, FLxFLxFL
6. OS&Y RESILIENT SEAT GATE VALVE WITH HAND WHEEL, FLxFL
7. PLATE STRAINER, SUPPLIED BY CITY
8. FLxFL PIPE, LENGTH EQUAL TO 5x METER SIZE
9. WATER METER, SUPPLIED BY CITY
10. FLxPE PIPE, LENGTH EQUAL TO 2x METER SIZE
11. FLANGED COUPLING ADAPTER, ROMAC FCA501 OR EQUAL
12. FORD A32PR-BR INSPECTION RING, CENTERED OVER METER
13. 30"x30" ACCESS HATCH
14. SUMP HOLE
15. CONCRETE VAULT, PRECAST OR CAST-IN-PLACE
16. DESIGN BY OTHERS
17. CONCRETE PIPE SUPPORT
18. STEPS, MA INDUSTRIES PS2-PF-DF OR EQUAL, 3 REQUIRED
19. CLEAR DISTANCE = FLANGE DIA./2 + 12", 18" MINIMUM
20. VAULT LENGTH, Varies by METER SIZE SEE VAULT SIZE TABLE
21. VAULT HEIGHT, 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 3/8" THICK 150 LB. RED RUBBER.
BYPASS MAY BE CONSTRUCTED OUTSIDE O METER VAULT IF WARRANTED BY SITE CONDITIONS WITH APPROVAL OF DEPARTMENT OF UTILITIES STAFF.
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
19 STEPS, MA INDUSTRIES PS2-PF-0F OR EQUAL 3 REQUIRED
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 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 UTILITIES STAFF.
## METER VAULT SIZE TABLE

<table>
<thead>
<tr>
<th>METER SIZE</th>
<th>VAULT LENGTH</th>
<th>CLR. DIST. &quot;A&quot;</th>
<th>VAULT WIDTH</th>
<th>CLR. DIST. &quot;B&quot;</th>
<th>CLR. DIST. &quot;C&quot;</th>
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<tbody>
<tr>
<td>3&quot;(C)</td>
<td>8'-0&quot;</td>
<td>0'-5 1/4&quot;</td>
<td>6'-0&quot;</td>
<td>2'-8&quot;</td>
<td>1'-6&quot;</td>
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<tr>
<td>3&quot;(T)</td>
<td>8'-0&quot;</td>
<td>0'-7 3/4&quot;</td>
<td>6'-0&quot;</td>
<td>2'-8&quot;</td>
<td>1'-6&quot;</td>
</tr>
<tr>
<td>4&quot;(C)</td>
<td>10'-0&quot;</td>
<td>0'-8 1/2&quot;</td>
<td>6'-0&quot;</td>
<td>2'-8&quot;</td>
<td>1'-6&quot;</td>
</tr>
<tr>
<td>4&quot;(T)</td>
<td>10'-0&quot;</td>
<td>0'-11 1/2&quot;</td>
<td>6'-0&quot;</td>
<td>2'-8&quot;</td>
<td>1'-6&quot;</td>
</tr>
<tr>
<td>6&quot;(C)</td>
<td>12'-0&quot;</td>
<td>0'-6 15/16&quot;</td>
<td>6'-0&quot;</td>
<td>2'-8&quot;</td>
<td>1'-6&quot;</td>
</tr>
<tr>
<td>6&quot;(T)</td>
<td>12'-0&quot;</td>
<td>0'-9 15/16&quot;</td>
<td>6'-0&quot;</td>
<td>2'-8&quot;</td>
<td>1'-6&quot;</td>
</tr>
<tr>
<td>8&quot;(T)</td>
<td>14'-0&quot;</td>
<td>0'-8 3/8&quot;</td>
<td>6'-0&quot;</td>
<td>2'-8&quot;</td>
<td>1'-6 3/4&quot;</td>
</tr>
<tr>
<td>10&quot;(T)</td>
<td>17'-0&quot;</td>
<td>0'-9 7/8&quot;</td>
<td>7'-0&quot;</td>
<td>2'-8&quot;</td>
<td>1'-8&quot;</td>
</tr>
<tr>
<td>12&quot;(T)</td>
<td>18'-0&quot;</td>
<td>0'-7 1/2&quot;</td>
<td>7'-0&quot;</td>
<td>2'-8&quot;</td>
<td>1'-9 1/2&quot;</td>
</tr>
</tbody>
</table>

(C) DENOTES COMPOUND SERIES METER  
(T) DENOTES TURBO SERIES METER  
CLEAR DISTANCES LISTED ARE MINIMUMS

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### METER VAULT SIZING TABLE

<table>
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<th>SCALE: NONE</th>
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<th>REV.: 5</th>
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