



NOTES:

1. LENGTH OF BOX "B" SHALL BE DISTANCE "C" PLUS DISTANCE REQUIRED TO INSTALL FITTINGS AS SHOWN.
2. VAULT WALLS TO BE OF CONCRETE.
3. VAULT ROOF TO BE OF REINFORCED CONCRETE WITH OPENING CENTERED OVER METER.
4. LIDS AND FRAMES OF OPENING TO BE SET IN PLACE, NOT IN CONCRETE. METER MUST BE READABLE THRU OPENING FROM OUTSIDE THE VAULT.
5. DOUBLE SETS OF LIDS AND FRAMES TO BE PROVIDED FOR OPENINGS OF ALL BOXES.
6. VALVES ON EACH SIDE OF METER MUST HAVE FLANGED ENDS, BE IN ALIGNMENT, AND BE ADEQUATELY SECURED TO WITHSTAND WATER THRUST WITH METER REMOVED.
7. DRAINAGE FACILITIES MUST BE PROVIDED, OR BOX OTHERWISE KEPT FREE OF WATER.
8. METAL LADDER TO BE PROVIDED IF BOX IS OVER 6 FEET IN DEPTH.
9. SERVICE TO BE RUN AT RIGHT ANGLES FROM METER BOX TO STREET.
10. AT CONSUMER'S OPTION, SUMP AND SUMP PUMP MAY BE PROVIDED TO DISCHARGE WATER FROM VAULT IN LIEU OF DISCHARGE PIPING.
11. INSTALLATION BY CITY UPTO 2" IN SIZE. ALL LARGER THAN 2" TO BE INSTALLED BY CONSUMER.
12. PIPING AND FITTINGS WITHIN VAULT SHALL BE DUCTILE IRON.

| GENERAL SERVICE |                             |          |          | FIRE SERVICE |          |          |          |          |          |          |          |          |          |          |          |
|-----------------|-----------------------------|----------|----------|--------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| SIZE<br>IN.     | BY-PASS<br>MIN. SIZE<br>IN. | A<br>IN. | B<br>IN. | 10"          |          |          | 8"       |          |          | 6"       |          |          | 4"       |          |          |
|                 |                             |          |          | C<br>IN.     | D<br>IN. | E<br>IN. | C<br>IN. | D<br>IN. | E<br>IN. | C<br>IN. | D<br>IN. | E<br>IN. | C<br>IN. | D<br>IN. | E<br>IN. |
| 3               | 1-1/2                       | 54       | 47-1/2   | 55           | 84       | 156      | 55       | 78       | 156      | 50       | 66       | 150      | 27       | 72       | 150      |
| 4               | 1-1/2                       | 54       | 47-1/2   | 55           | 84       | 162      | 55       | 84       | 162      | 50       | 66       | 156      | 27       | 72       | 156      |
| 6               | 2                           | 60       | 47-1/2   | 56           | 84       | 174      | 56       | 84       | 174      | 51       | 66       | 174      | 27       |          |          |
| 8               | 2                           | 64       | 47-1/2   | 57           | 84       | 186      | 57       | 84       | 186      |          |          |          |          |          |          |

CITY OF O'FALLON  
ENGINEERING DEPARTMENT

METER VAULT  
STANDARD DETAILS

EXHIBIT  
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