FOR COMPONENT DETAILS REFER TO THE CITY OF ESCONDIDO UTILITIES
APPROVED MATERIALS LIST LOCATED ON THE CITY WEBSITE.

NOTES:

A. BEFORE WATER SERVICE IS PROVIDED, DETECTOR CHECK SHALL BE TESTED BY CITY STAFF TO INSURE PROPER WORKING CONDITION.

B. TYPE OF DETECTOR ASSEMBLY SHALL BE BASED ON THE DEGREE OF HAZARD.

C. ALL BOLTS SHALL BE STAINLESS STEEL.

1) DETECTOR CHECK ASSEMBLY (SHALL BE SELECTED FROM THE APPROVED U.S.C. LIST ON FILE WITH THE CITY)

2) RISER SPOOL — SHALL BE CEMENT LINED & COATED STEEL OR DUCTILE IRON SPOOLS, WITH WELD-ON RAISED FACE FLANGES

3) FLANGED GATE VALVE (HUB OR HAND-WHEEL) AS APPROVED BY THE CITY (SEE W-4-E)

4) CAST IRON TEE OR 90.

5) CONCRETE PAD — 18" x 18" x 3½"

6) VALVE SUPPORT STAND

7) ½" x ¾" WATER METER (METER MUST BE PURCHASED FROM CITY UTILITY BILLING PRIOR TO CONNECTION TO CITY WATER SYSTEM). THE CITY SHALL PROVIDE, INSTALL AND MAINTAIN METER.

8) 2" LOCKING BALL VALVE WITH 2 ½" FIRE HOSE CONNECTION.

9) 90° CAST IRON ELBOW

LEGEND ON PLANS

CITY OF ESCONDIDO
UTILITY DEPARTMENT

3", 4", 6", 8", & 10"
DETECTOR CHECK
ASSEMBLY

WASHINGTON: 4-2-2014
UTILITY ENGINEER

REVISED APPROVED

SCALE: NOT TO SCALE

STANDARD DRAWING NO. W-7-E
FOR COMPONENT DETAILS REFER TO THE CITY OF ESCONDIDO UTILITIES APPROVED MATERIALS LIST LOCATED ON THE CITY WEBSITE.

1. WATER METER—METER SHALL BE PURCHASED FROM THE CITY. METER SHALL BE TYPE & SIZE APPROVED BY THE CITY. THE CITY SHALL PROVIDE, INSTALL AND MAINTAIN METER.

2. STRAINER—SHALL BE TYPE & SIZE APPROVED BY THE CITY AND SHALL BE SUPPLIED BY THE CITY.

3. RISER SPOOLS—SHALL BE CEMENT LINED & COATED STEEL OR DUCTILE IRON, WITH WELD-ON RAISED FACE FLANGES.

4. FLANGED GATE VALVE (HUB OR HAND-WHEEL) PER STANDARD DRAWING W-4—E.

5. VALVE SUPPORT STAND

6. OPTIONAL ROCK BASE

7. BACKFLOW PREVENTION ASSEMBLY

8. 90° CAST IRON ELBOW

9. CONCRETE PAD — 18" X 18" X 3 1/2"

ALL BOLTS SHALL BE STAINLESS STEEL.

NOTES:

A) ALL INSTALLATIONS SHALL BE ABOVE GROUND.

B) ALL BACKFLOW PREVENTION ASSEMBLIES SHALL BE AS CLOSE TO THE WATER METER AS POSSIBLE.

C) THE BACKFLOW PREVENTION ASSEMBLY SHALL BE SELECTED FROM THE APPROVED U.S.C. LIST ON FILE WITH THE CITY.

D) NO CONNECTIONS SHALL BE MADE BETWEEN THE WATER METER AND THE BACKFLOW PREVENTION ASSEMBLY.

E) TYPE OF BACKFLOW PREVENTION ASSEMBLY SHALL BE BASED ON THE DEGREE OF HAZARD.

F) APPROPRIATE TEST COCKS SHALL BE IN PLACE AT ALL TIMES.

G) CITY SHALL HAVE ACCESS TO BACKFLOW PREVENTION ASSEMBLY AT ALL TIMES.

H) BACKFLOW PREVENTION ASSEMBLY SHALL HAVE AT LEAST THE SAME CROSS-SECTIONAL AREA AS THE WATER METER.

I) BACKFLOW ASSEMBLY SHALL BE TESTED TO INSURE PROPER WORKING CONDITION BEFORE WATER IS PROVIDED, AND ANNUALLY THEREAFTER.

LEGEND ON PLANS

CITY OF ESCONDIDO
UTILITY DEPARTMENT
3", 4", 6", 8" & 10" STANDARD METER ASSEMBLY
BACKFLOW PREVENTION ASSEMBLY 3" & LARGER

APPROVED: DATE: 4-2-2014
UTILITY ENGINEER

REVISED APPROVED

SCALE: NOT TO SCALE

STANDARD DRAWING NO. W-8-E
FOR COMPONENT DETAILS REFER TO THE CITY OF ESCONDIDO UTILITIES APPROVED MATERIALS LIST LOCATED ON THE CITY WEBSITE.

1. BACKFLOW PREVENTION ASSEMBLY
2. 90° ELBOW (THREADED RED BRASS OR COPPER)
3. UNION (THREADED RED BRASS OR COPPER)
4. NIPPLE (THREADED RED BRASS, OR COPPER, VARIES IN LENGTH)
5. WATER METER STD. W-1-E OR W-2-E

NOTES:
A) ALL INSTALLATIONS SHALL BE ABOVE GROUND.
B) ALL BACKFLOW PREVENTION ASSEMBLIES SHALL BE AS CLOSE TO THE WATER METER AS POSSIBLE.
C) THE BACKFLOW PREVENTION ASSEMBLY SHALL BE SELECTED FROM THE APPROVED U.S.C. LIST ON FILE WITH THE CITY.
D) NO CONNECTIONS SHALL BE MADE BETWEEN THE WATER METER AND THE BACKFLOW PREVENTION DEVICE.
E) TYPE OF BACKFLOW PREVENTION DEVICE SHALL BE BASED ON THE DEGREE OF HAZARD.
F) CITY SHALL HAVE ACCESS TO BACKFLOW PREVENTION DEVICE AT ALL TIMES.
G) REFER TO STANDARD DRAWINGS FOR INSTALLATION OF WATER METER & SERVICE. (W-1-E AND W-2-E)
H) OPTIONAL: STRAINER LOCATED DOWNSTREAM OF ASSEMBLY.
I) BACKFLOW PREVENTION ASSEMBLY SHALL HAVE AT LEAST THE SAME CROSS-SECTIONAL AREA AS THE WATER METER.
J) BEFORE WATER SERVICE IS PROVIDED, BACKFLOW ASSEMBLY SHALL BE TESTED BY CITY STAFF TO INSURE PROPER WORKING CONDITION.