



Notes:

1. Installation plans must be approved by Director of Public Works/City Engineer.
2. Double Detector Check Assembly (DDCA) shall be USC approved and installed above ground.
3. DDCA shall be installed between existing city main and interior building fire suppression system pipe and exterior fire loop system.
4. Additional gate valve is required in the event that the existing water main is located on opposite side of the street.
5. All mechanical joints shall be provided with approved joint restraint devices, "MEGALUGS" by EBBA, or equal.
6. Thrust blocks are required at all bends, tees and valves in accordance with Standard Detail W-7.
7. All Nuts, Bolts and washers shall be Stainless Steel
8. All flange bolts and nuts shall be kept clear of concrete, greased and wrapped.
9. Metallic underground tape shall be placed 1 ft. above top of pipe.
10. Tracing wire required with all non-metallic pipe.
11. Cut-in Tee must have minimum 18-in. clearance from adjacent fittings.

NOT TO SCALE

**STANDARD
DETAIL**

CITY OF BRISBANE
DEPARTMENT OF PUBLIC WORKS

DATE: 04/01/08

**FIRE SERVICE SYSTEM
LAYOUT PLAN - COMMERCIAL**

W-4C