GENERAL NOTES

1. All backflow prevention assemblies shall be in accordance with Section 7601 of Title 17 of the California Code of Regulations.
2. Developer shall install an approved Double Check – Detector Check Backflow Prevention Assembly (DCDA) on fire sprinkler systems.
3. All backflow prevention assembly installations – including spatial requirements and assembly orientation – shall be performed according to the Foundation of Cross Connection Control and Hydraulic Research of USC as established in the Manual of Cross-Connection Control – Specifications of Backflow Prevention Assemblies, Tenth Edition, or any successor edition.
4. The DCDA shall be a specially designed assembly comprised of a line-size approved double check valve assembly with a bypass containing a specific water meter and an approved double check valve assembly.
5. Backflow preventer assembly location must be clearly indicated on plans and shall be installed above ground with 12 to 24 inches clearance unless otherwise approved by City Engineer.
6. Assembly must be accessible for testing, maintenance, and meter reading.
7. Meter shall be brass construction throughout and shall read cubic feet.
8. All fittings to be wrapped with 20 mil plastic Viscose.

LEGEND

A) Valve Box & Riser per City Std. Drwg.
B) F X F Resilient-Seated Gate Valve.
C) Throat Block per City Std. Drwg.
D) F X F X F Tee.
E) PVC Adaptor (F & M) or replace item B above with F X M Resilient-Seated Gate Valve.
F) PVC Pipe.
G) Spools shall be ductile iron and have threaded flanges.
H) Min. 1 adjustable support with min. 18"x24"x4" concrete building pad. All exposed metal shall be galvanized.
I) Fire Department Connection (FDC) with flapper check valve. FDC shall be "Siamese" type with dual inlets or "Quadramess" type with four (4) inlets.
J) Use Tee to connect FDC. Replace with 90 elbow if plumbing FDC separately. See note K below.
K) FDC may be plumbed directly to backflow assembly or on a separate standpipe downstream of the backflow as shown.

Item E revised. Added Items I, J, K.