

DOUBLE DETECTOR CHECK ASSEMBLY

REVISION			APPROVED	
NO.	APPROVED	DATE		
			<i>Nelson D. Nelson</i>	11-26-12
			NELSON D. NELSON, PE, CITY ENGINEER	DATE
			<i>Tom Koper</i>	11-26-12
			TOM KOPER, PE, DISTRICT ENGINEER, DEPARTMENT OF WATER AND POWER	DATE



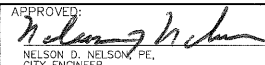

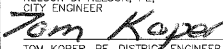
CITY OF CORONA
 STD 417
 SHEET 1 OF 2

ITEM MATERIALS

- ① — DI 90-DEGREE BEND.
- ② — RW O.S.&Y GATE VALVE FLG X FLG. O.S.&Y VALVES TO BE LOCKED IN OPEN POSITION WITH CHAIN AND CITY'S PADLOCK.
- ③ — DI SPOOL FLG X PE (LENGTH AS REQUIRED).
- ④ — TRANSITION COUPLING. (BY OTHERS, FOR ON-SITE CONNECTION WHEN ON-SITE PIPING EXISTS.)
- ⑤ — APPROVED DOUBLE DETECTOR CHECK (DC) BACKFLOW PREVENTION ASSEMBLY WITH RISING STEM RESILIENT WEDGE GATE VALVES, VALVES SHALL BE PROVIDED AS AN INTEGRAL PART OF BACKFLOW ASSEMBLY.
- ⑥ — 6-INCH THICK CONCRETE SLAB, 560-C-3250, REINFORCE WITH #4 REBAR @ 12-INCHES EACH WAY.
- ⑦ — RESILIENT WEDGE GATE VALVE FLG X MJ PER CITY STD. DWG 420.
- ⑧ — FACTORY INSTALLED BY-PASS METER ASSEMBLY CONSISTING OF APPROVED POSITIVE DISPLACEMENT METER, REDUCED PRESSURE PRINCIPAL DEVICE AND ASSOCIATED PIPING. METER TO BE USED FOR FIRE SYSTEMS ONLY. METER READS IN CUBIC FEET. ENCLOSE BYPASS METER IN TYPE 316SS EXPANDED METAL CAGE.
- ⑨ — THRUST BLOCK PER CITY STD. DWG. 401.
- ⑩ — ADJUSTABLE PIPE SUPPORT FOR ASSEMBLIES 6-INCH DIAMETER AND LARGER PER CITY STD. DWG. 418.
- ⑪ — DIP SECTION, CL. 350, 36-INCHES LONG.
- ⑫ — DI END CAP. MJ WITH RESTRAINED RETAINER GLAND.
- ⑬ — DI 90-DEGREE BEND FLG FOR 3-INCH REDUCED PRESSURE PRINCIPLE BACKFLOW ASSEMBLY USE 4-INCH x 3-INCH DI 90-DEGREE REDUCING BEND FLG.
- ⑭ — DI TEE WITH FLANGED OUTLET.
- ⑮ — VALVE BOX PER CITY STD. DWG. 422.
- ⑯ — DIP, CLASS 350, RESTRAINED JOINT.
- ⑰ — RESTRAINED JOINTS AND CONCRETE THRUST BLOCK PER CITY STD. DWG. 401 UPON APPROVAL BY DWP GENERAL MANAGER OR DESIGNEE.

NOTES:

- 1. NOTIFY CITY PRIOR TO INSTALLATION OF BACKFLOW DEVICE.
- 2. FIRE DEPARTMENT CONNECTION AND POST-INDICATOR VALVES SHALL NOT BE PART OF THE BACKFLOW ASSEMBLY AND MUST BE INSTALLED ON THE CUSTOMER SPECIFIED PIPING SIDE.
- 3. BACKFLOW ASSEMBLY SHALL BE A MINIMUM OF 36 INCHES FROM ANY STRUCTURE, CURB OR SIDE WALK.
- 4. BACKFLOW ASSEMBLY AND CITY PIPING SHALL BE WITHIN A DEDICATED CITY EASEMENT OR PUBLIC RIGHT-OF-WAY.
- 5. PLACE BRASS PLUGS IN ALL TEST VALVE OUTLETS.
- 6. BY-PASS METER TO BE USED FOR FIRE SYSTEMS ONLY. DO NOT INSTALL BY-PASS METERS WHERE SUPPLY TO DEVICE IS ALREADY METERED.
- 7. FLANGED JOINTS SHALL HAVE TYPE 316SS NUTS, BOLTS, AND WASHERS. APPLY ANTI-SEIZE COMPOUND TO THREADS.
- 8. RESTRAIN ALL PIPING, JOINTS, AND FITTINGS BETWEEN THE MAIN AND THE CUSTOMER CONNECTION.
- 9. MECHANICAL JOINTS SHALL BE RESTRAINED WITH "MEGA-LUG" TYPE RESTRAINTS.

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SHEET 2 OF 2					