

STANDARD SPECIFICATIONS

AND

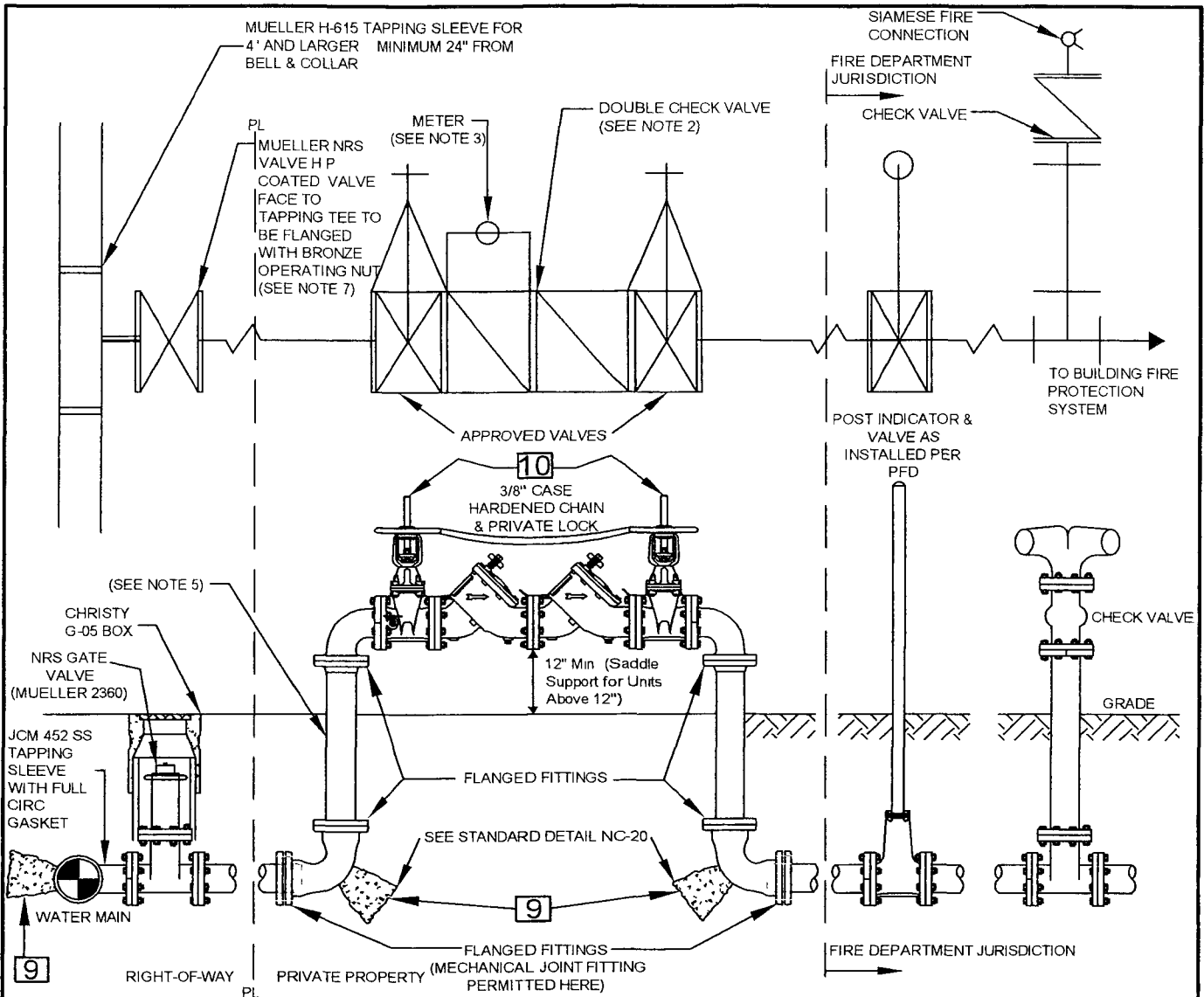
CONSTRUCTION DETAILS

AUGUST 2006

NORTH COAST COUNTY WATER DISTRICT
2400 FRANCISCO BOULEVARD, POST OFFICE BOX 1039
PACIFICA, CALIFORNIA 94044

NCCWD STANDARD DETAILS

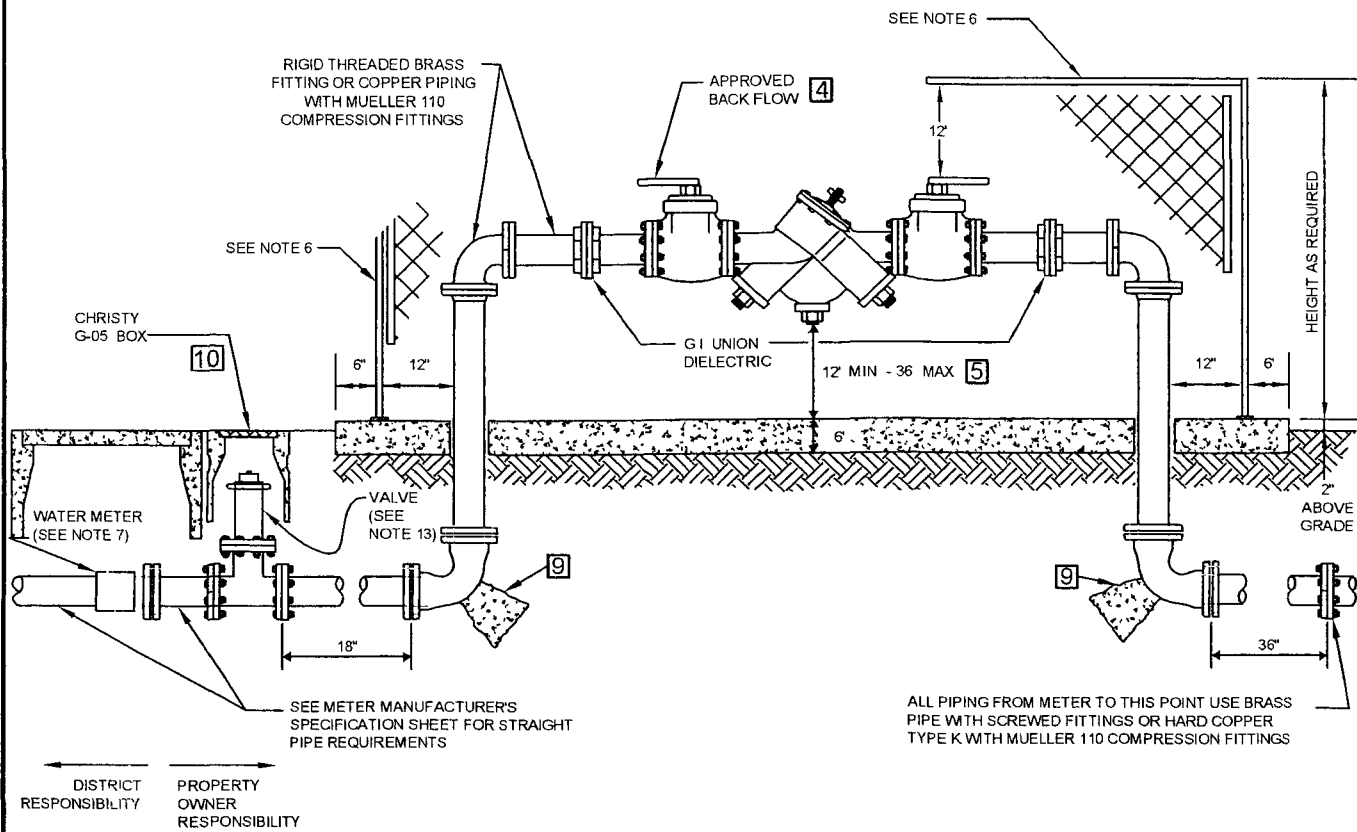
Detail	Title
NC-01	RESIDENTIAL SERVICE CONNECTION (NEW CONSTRUCTION)
NC-02	RESIDENTIAL SERVICE WITH FIRE SERVICE UPGRADE
NC-03	STANDARD SERVICE SADDLE REQUIREMENTS
NC-04	STANDARD SERVICE RECONNECTION
NC-05	DOUBLE DETECTOR CHECK BACKFLOW UNIT FOR A FIRE SERVICE CONNECTION
NC-06	¾" – 2" REDUCED PRESSURE BACKFLOW PREVENTER
NC-07	STANDARD UNDERGROUND PRV VAULT
NC-08	4X2 PRESSURE REDUCING STATION INLET PRESSURES OF 250 PSI OR LESS
NC-09	6X4X2 PRESSURE REDUCING STATION
NC-10	8X4 PRESSURE REDUCING STATION
NC-11	2" BLOWOFF ASSEMBLY
NC-12	TRANSMISSION LINE BLOWOFF ASSEMBLY
NC-13A	2" COMBINATION AIR RELEASE/VACUUM VALVE (INSTALLATIONS WITHIN IMPROVED/UNIMPROVED AREAS)
NC-13B	2" COMBINATION AIR RELEASE/VACUUM VALVE (INSTALLATIONS WITHIN IMPROVED AREAS)
NC-14	SAMPLE STATION
NC-15A	STANDARD FIRE HYDRANT WITH CHECK VALVE ASSEMBLY INSTALLATION
NC-15B	STANDARD FIRE HYDRANT INSTALLATION (EXISTING HYDRANTS ONLY)
NC-16	FIRE HYDRANT GUARD POSTS (4 POST CONFIGURATION) INSTALLATIONS IN COMMERCIAL / UNIMPROVED AREAS
NC-17	INSTALLATION OF PORTABLE WATER METERS
NC-18	WATER VALVE BOX-TRAFFIC
NC-19	GATE VALVE ASSEMBLY/TRACER WIRE DETAIL
NC-20	STANDARD THRUST BLOCK DETAILS
NC-21	STANDARD PIPE INSTALLATION
NC-22	TYPICAL SERVICE INSTALLATION TRENCH
NC-23	SEPARATION OF WATER MAINS & SANITARY SEWERS
-----	TYPICAL PRIVATE ATMOSPHERIC VACUUM BREAKER
-----	CITY OF PACIFICA STANDARD TRENCH DETAIL NOTES
-----	CITY OF PACIFICA STANDARD TRENCH DETAIL (DWG 301)
-----	CITY OF PACIFICA STANDARD TRENCH DETAIL (DWG 301A)
-----	CITY OF PACIFICA SLURRY SEAL DETAIL (A) (PLAN NO. 301 B)
-----	CITY OF PACIFICA SLURRY SEAL DETAIL (B) (PLAN NO. 301 C)
-----	CITY OF PACIFICA SLURRY SEAL DETAIL (LONGITUDINAL) (301D)
-----	CITY OF PACIFICA SLURRY SEAL DETAIL (NO CEN. LINE) (301 E)
-----	CITY OF SAN BRUNO TYPICAL TRENCH CROSS SECTION



NOTES

- 1 BACKFLOW POST INDICATOR AND CHECK VALVE ASSEMBLY TO BE SET PLUMB
- 2 DOUBLE DETECTOR CHECK UNIT SHALL BE FROM U S C., DISTRICT APPROVED LIST
- 3 DETECTION METER SHALL BE PURCHASED THROUGH THE WATER DISTRICT
- 4 CHLORINATION AND SUBSEQUENT BACTERIOLOGICAL ANALYSIS REQUIRED SAMPLES TO BE TAKEN BY THE DISTRICT WITH PAYMENT BY OWNER OR INSTALLING CONTRACTOR
- 5 ALL PIPING MATERIAL SHALL BE DUCTILE IRON CLASS 52 OR AS APPROVED BY THE DISTRICT
- 6 ALL ABOVE GROUND PIPE TO BE PRIMED WITH A NON-BLEEDING PRIMER WITH CORROSION RESISTANT PAINT FINISH COAT AND COLOR TO BE DETERMINED BY THE DISTRICT ENGINEER
- 7 ALL BOLTS, NUTS, WASHERS, TIE BACK EARS AND TIE BACK RODS SHALL BE TYPE 304 STAINLESS STEEL, THREADS COATED WITH ANTI SEIZE. ALL BOLTS SHALL BE TIGHTENED USING A TORQUE WRENCH TO MANUFACTURER'S SPECIFICATIONS
- 8 UNDERGROUND PIPE TO BE BAGGED AND TAPED WITH ONE LAYER OF 8 MIL POLYETHYLENE AS PER AWWA C105
- 9 CONCRETE THRUST BLOCKS REQUIRED AS PER STANDARD DETAIL NC-20, ALTERNATE RESTRAINT METHODS ARE SUBJECT TO DISTRICT APPROVAL
- 10 VALVES TO BE MUELLER OS&Y GATE VALVES
- 11 CHAIN AND LOCK VALVES WITH CASE HARDENED CHAIN AND PRIVATE LOCK
- 12 DEVICE TO BE TESTED BY AN APPROVED TESTER AND TAGGED WITH COUNTY OF SAN MATEO DEPT OF HEALTH TAG PRIOR TO APPROVAL FOR USE

<p>NORTH COAST COUNTY WATER DISTRICT DOUBLE DETECTOR CHECK BACKFLOW UNIT FOR A FIRE SERVICE CONNECTION</p>	<p>STANDARD DETAIL NC-05</p>
<p>AUGUST 2006</p>	



NOTES

- 1 BACKFLOW UNIT TO BE SET PLUMB
- 2 BACKFLOW UNIT GATE/BALL VALVES MUST BE SUPPLIED BY THE MANUFACTURER OF THE BACKFLOW UNIT AND APPROVED BY U S C CERTIFICATION TESTING
- 3 INSTALLATION SHALL COMPLY WITH TITLE 17 REQUIREMENTS, COUNTY OF SAN MATEO HEALTH REGULATIONS AND WATER DISTRICT STANDARDS
- 4 DEVICE MUST BE FROM THE U S C , DISTRICT APPROVED LIST
- 5 INSTALL DUMP PORT AT A MINIMUM OF 12" ABOVE GRADE
- 6 ENCLOSURE OPTIONAL BY OWNER ENCLOSURE TO PROVIDE MINIMUM 12" CLEARANCE AROUND UNITS
- 7 TAP AND METER INSTALLATION CONDUCTED BY WATER DISTRICT PERSONNEL
- 8 PROVIDE 6" CLEARANCE FROM ENCLOSURE TO EDGE OF CONCRETE
- 9 CONCRETE THRUST BLOCKS REQUIRED AS PER STANDARD DETAIL NC-20, ALTERNATE RESTRAINT METHODS ARE SUBJECT TO DISTRICT APPROVAL
- 10 GATE VALVE LIDS MUST BE ACCESSIBLE.
- 11 DEVICE TO BE TESTED BY AN APPROVED TESTER AND TAGGED WITH COUNTY OF SAN MATEO DEPT OF HEALTH TAG PRIOR TO APPROVAL FOR USE
- 12 PROTECTION AGAINST INCLEMENT WEATHER OPTIONAL BY OWNER
- 13 GATE VALVE TO BE MILWAUKEE 105 SERIES MALLEABLE IRON HAND WHEEL
- 14 ALL BOLTS, NUTS, WASHERS, SHALL BE TYPE 304 STAINLESS STEEL, THREADS COATED WITH ANTI SEIZE DURING INSTALLATION ALL BOLTS SHALL BE TIGHTENED USING A TORQUE WRENCH TO MANUFACTURER'S SPECIFICATIONS
- 15 WRAP ALL METAL PIPE BELOW GRADE WITH 0 010" X 2" P E TAPE USE HALF LAP METHOD

**NORTH COAST COUNTY WATER DISTRICT
3/4" - 2" REDUCED PRESSURE BACKFLOW PREVENTER**

**STANDARD
DETAIL
NC-06**