



STANDARD SPECIFICATIONS

AND

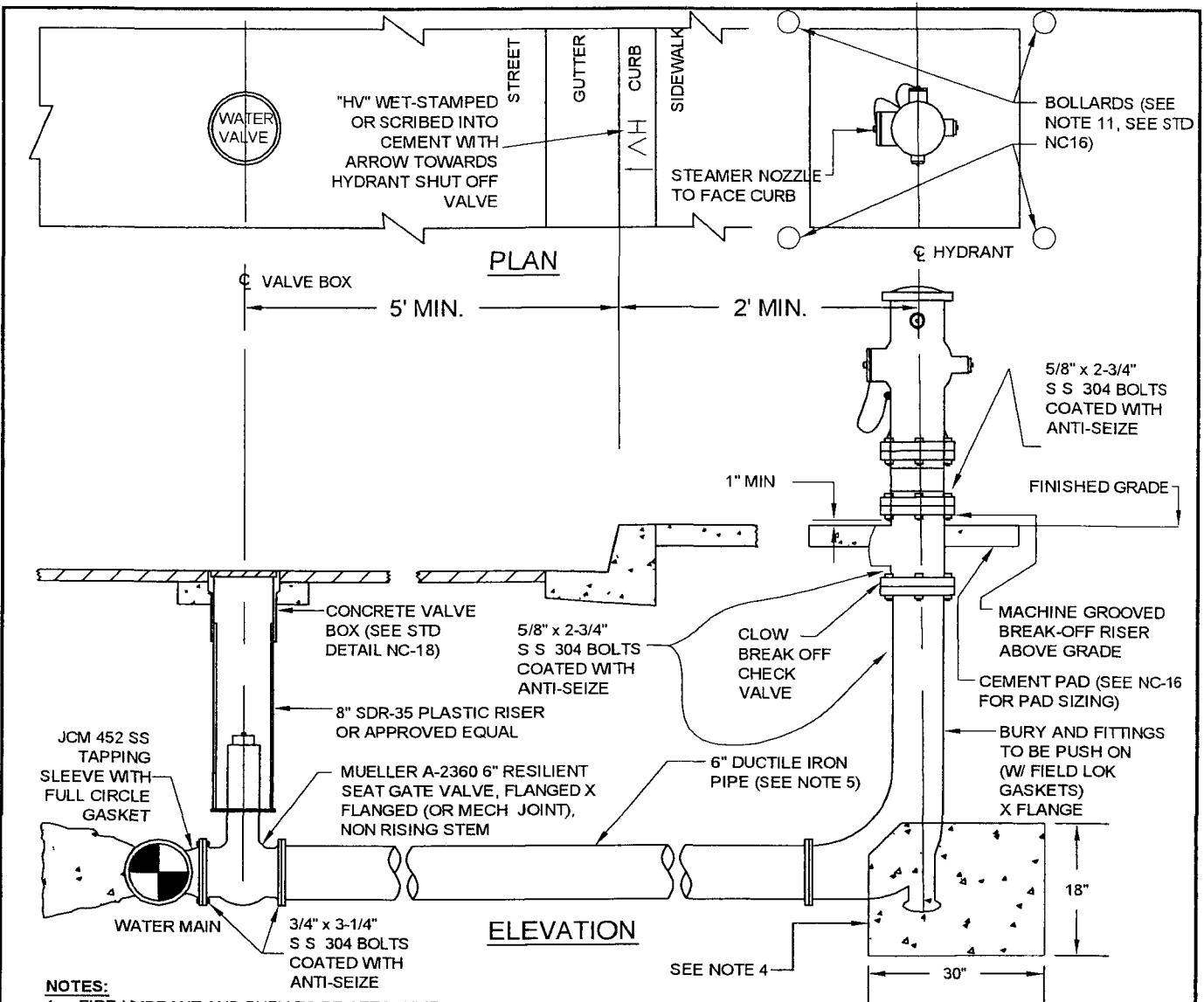
CONSTRUCTION DETAILS

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	3/4" – 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

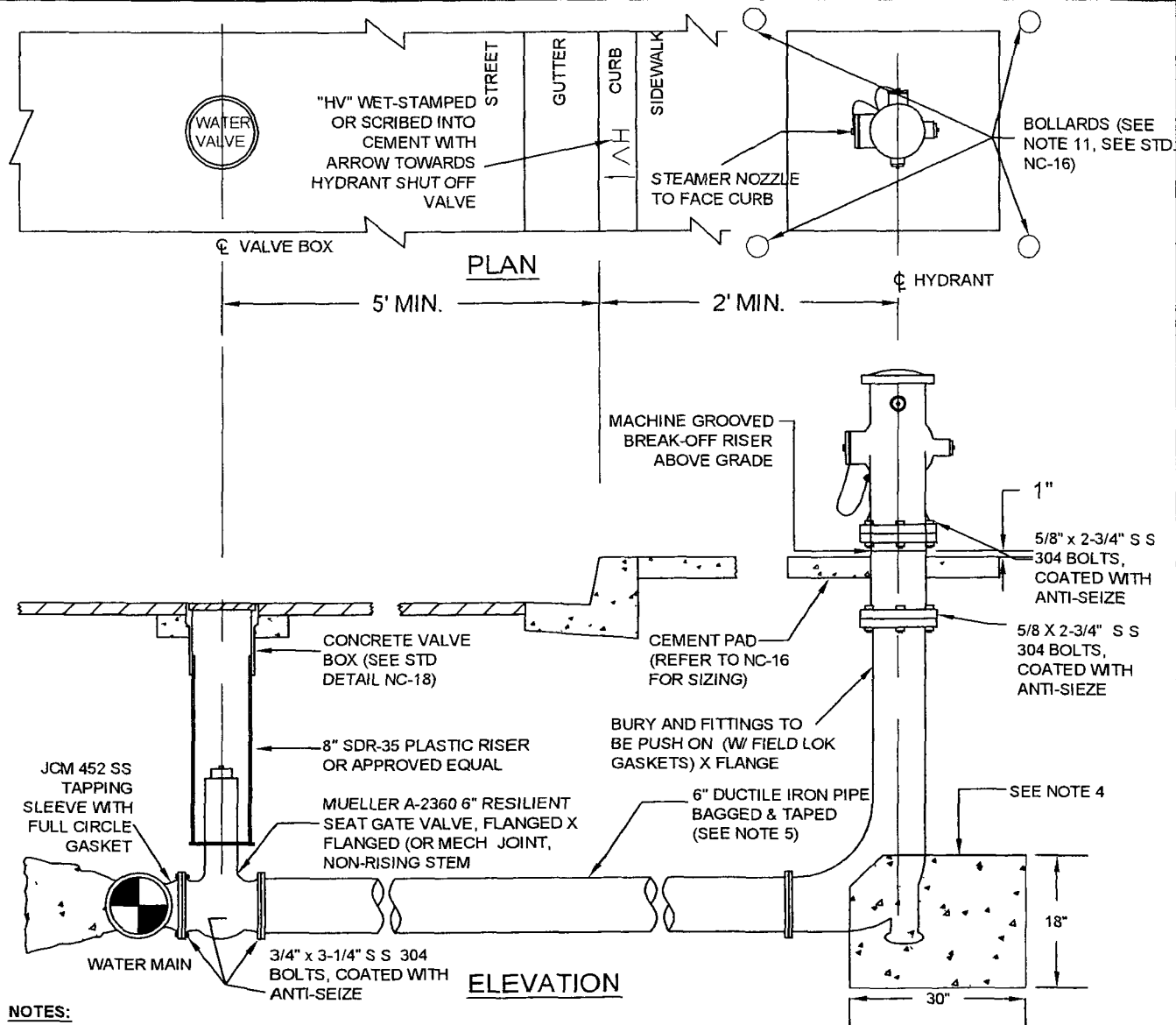


**NOTES:**

- 1 FIRE HYDRANT AND BURY TO BE SET PLUMB
- 2 BRONZE HYDRANT (NO PAINT) TO BE EITHER A 3-WAY CLOW #2060 OR 2-WAY CLOW #2050 AS DETERMINED BY DISTRICT ENGINEER
- 3 ALL BOLTS SHALL BE STAINLESS STEEL TYPE 304 COATED WITH ANTI-SEIZE COMPOUND UNLESS OTHERWISE SPECIFIED ALL BOLTS SHALL BE TIGHTENED USING A TORQUE WRENCH TO MANUFACTURER'S SPECIFICATIONS
- 4 IF THRUST BLOCKS ARE CALLED FOR BY DISTRICT, THEY SHALL BE PLACED AGAINST UNDISTURBED SOIL ALL BOLTS AND JOINTS SHALL BE LEFT EXPOSED AND FREE FROM POURED CONCRETE (THRUST BLOCK SHALL HAVE A BEARING DIMENSION OF 18" x 30") THRUST BLOCKS MAY BE DELETED WHEN JOINT RESTRAINT FITTINGS OR FIELD LOK GASKETS ARE APPROVED OR REQUIRED BY DISTRICT ENGINEER
- 5 HORIZONTAL PIPE MATERIAL SHALL BE DUCTILE IRON ANSI/AWWA C150/A21 51-96 CLASS 52 OR AS SPECIFIED
- 6 ALL FITTINGS SHALL MEET AWWA STANDARD C153/A21 53-00 ALL GASKETS SHALL BE CHLORAMINE RESISTANT AS WELL AS MEET AWWA STANDARD C111/A21 11-00 AND NSF STANDARD 61
- 7 ALL JOINTS SHALL BE PUSH ON WITH FIELD-LOC GASKETS OR MEGALUG OR FLANGED AS REQUIRED BY THE DISTRICT ENGINEER
- 8 NYLON HYDRANT CAPS SHALL BE COLOR CODED TO INDICATE AVAILABLE FLOW AND ATTACHED AS SHOWN WITH STAINLESS STEEL CHAIN OR WIRE, MANUFACTURED BY HYDRA SHIELD (TELEPHONE (800) 676-0911)
- 9 ALL REQUIREMENTS ARE SUBJECT TO CHANGE BY DISTRICT ENGINEER ALL PLANS MUST BE APPROVED BY DISTRICT ENGINEER
- 10 HYDRANT BOLTS & NUTS SHALL BE 5/8" x 2-3/4" STAINLESS STEEL TYPE 304 FOR BOTH ABOVE GROUND AND BURIED LOCATIONS THREADS SHALL BE COATED WITH ANTI-SEIZE ALL BOLTS SHALL BE TIGHTENED USING A TORQUE WRENCH TO MANUFACTURER'S SPECIFICATIONS
- 11 DISTRICT ENGINEER TO DETERMINE IF BOLLARDS ARE REQUIRED
- 12 UNDERGROUND PIPE TO BE BAGGED AND TAPED WITH POLYETHYLENE WRAP AS APPROVED BY THE DISTRICT ENGINEER
- 13 PRESSURE TEST FOR HYDRANT RUN TO BE TESTED AT A LOWER PRESSURE THAN REGULAR PRESSURE TEST
- 14 TAPPING SLEEVE TO BE TESTED (PRESSURE) AT 100 PSI FOR 15 MINUTES
- 15 ALL PIPING TO BE BAGGED AND TAPED WITH ONE LAYER OF 8 MIL POLYETHYLENE PER AWWA C105

**NORTH COAST COUNTY WATER DISTRICT  
STANDARD FIRE HYDRANT WITH CHECK VALVE ASSEMBLY  
INSTALLATION**

**STANDARD  
DETAIL  
NC-15A**

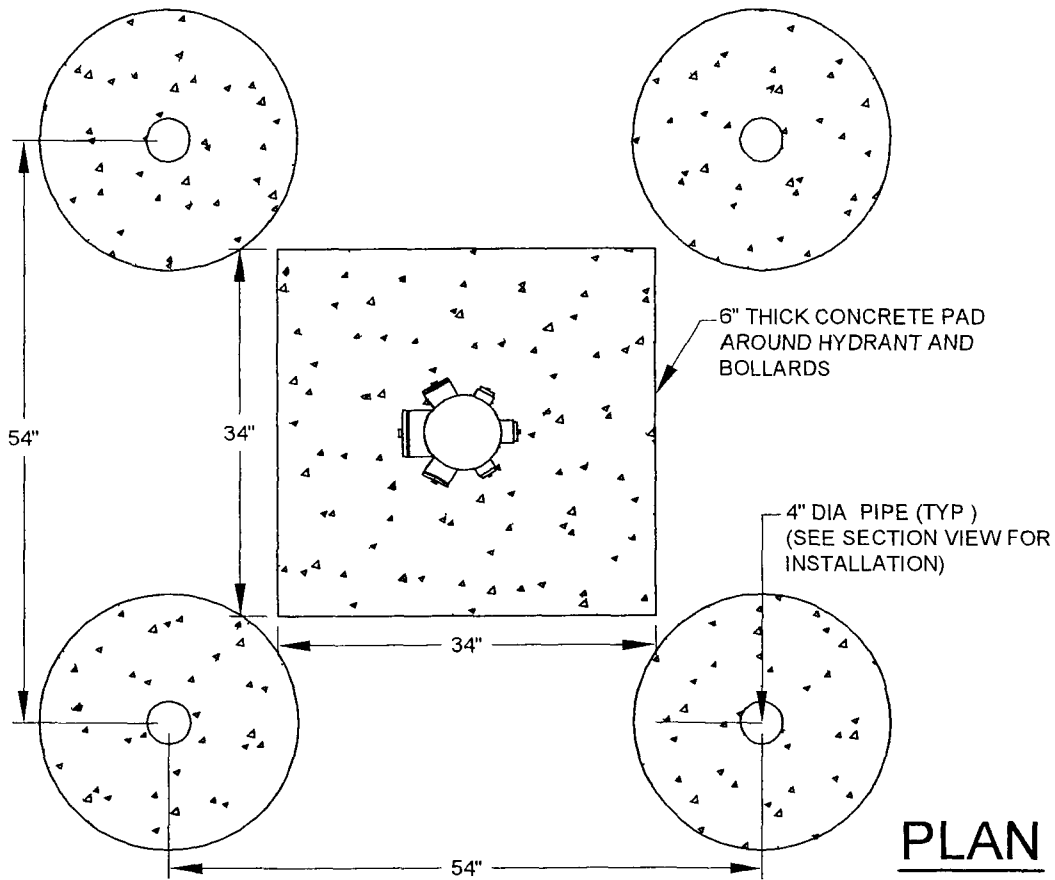


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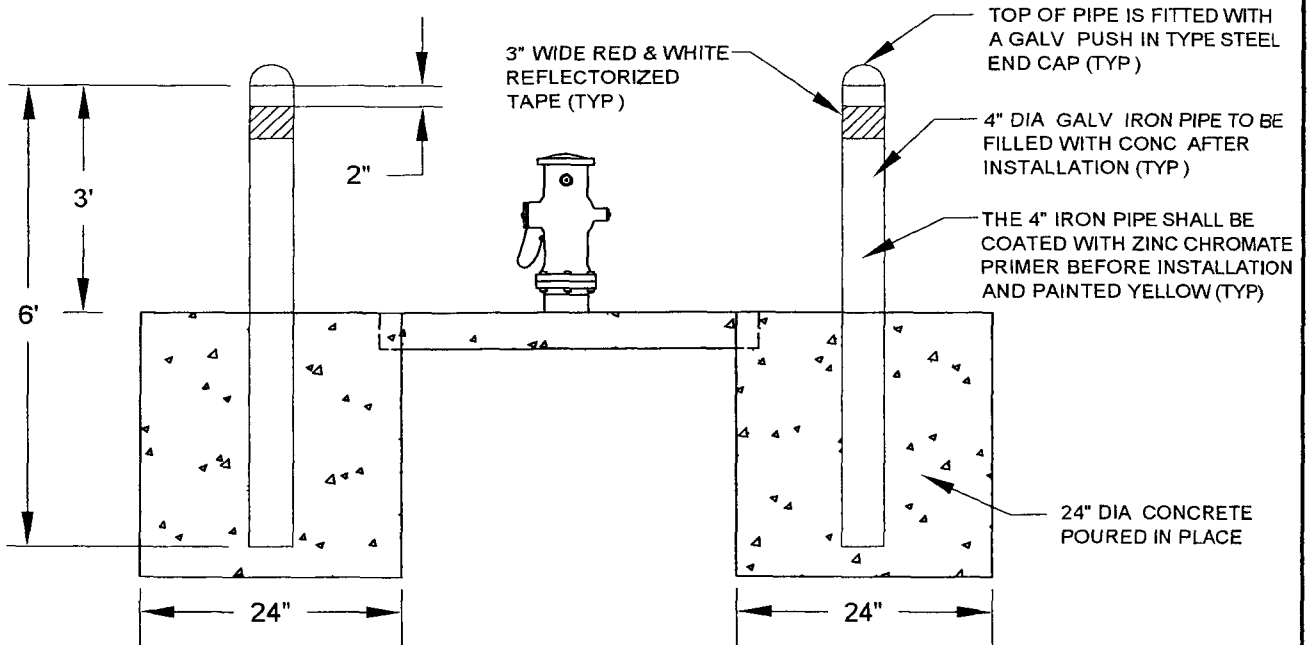
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- 2 BRONZE HYDRANT TO BE EITHER A 3-WAY CLOW #2060 OR 2-WAY CLOW #2050 AS DETERMINED BY DISTRICT ENGINEER
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**NORTH COAST COUNTY WATER DISTRICT  
STANDARD FIRE HYDRANT INSTALLATION  
(EXISTING HYDRANTS ONLY)**

**STANDARD  
DETAIL  
NC-15B**



**PLAN**



**SECTION**

**NOTES**

- 1 BOLLARDS TO BE SET PLUMB
- 2 BOLLARDS ARE TO BE SET AT DISTRICT DISCRETION

**NORTH COAST COUNTY WATER DISTRICT  
 FIRE HYDRANT GUARD POSTS (4 POST CONFIGURATION)  
 INSTALLATIONS IN COMMERCIAL / UNIMPROVED AREAS**

**STANDARD  
 DETAIL  
 NC-16**

AUGUST 2006