



NOTES

1. TAPPING SLEEVE WITH FLANGED BRANCH, MUELLER H-615 OR APPROVED EQUAL.
2. TAPPING VALVE, FLG x MJ, MUELLER H-667 OR APPROVED EQUAL.
3. 8" GALVANIZED ADJUSTABLE VALVE BOX, 20 GA., TO BE SUPPLIED BY THE CITY.
4. 8" CAST IRON LID MARKED "WATER" TO BE SUPPLIED BY THE CITY.
5. DUCTILE IRON BEND, MJ x MJ 90 DEGREE - 1/4" MORTAR LINED, NAPPCO 250 OR APPROVED EQUAL.
6. 3/4" DIA. STAINLESS STEEL TIE RODS AND NUTS, OR APPROVED EQUAL, AT TWO PLACES.
7. DUCTILE IRON ADAPTER, MJ x FLG, 1/4" MORTAR LINED NAPPCO 250 OR APPROVED EQUAL.
8. DUCTILE IRON BEND, FLG x FLG, 90 DEGREE - 1/4" MORTAR LINED, NAPPCO 250 OR APPROVED EQUAL.
9. RESILIENT SEATED GATE VALVE, FLG x FLG, OS&Y, WATEROUS 508 OR APPROVED EQUAL.
10. ELECTRIC PROTECTION, PATER ELECTRIC MODEL OSYSU-A2 OR APPROVED EQUAL. (OPTIONAL)
11. DOUBLE CHECK/DETECTOR ASSEMBLY, WATTS REGULATOR OR APPROVED EQUAL, U.S.C. FOUNDATION FOR CROSS-CONNECTION CONTROL AND HYDRAULIC RESEARCH APPROVED.
12. CONCRETE DETECTOR CHECK PEDESTAL.
13. CONCRETE THRUST BLOCK WITH 3/4" DIA. STAINLES STEEL ANCHOR.
14. BY-PASS CONSISTS OF AN APPROVED DOUBLE CHECK VALVE ASSEMBLY, SHUT OFF VALVES, TEST COCKS AND A ROCKWELL OR NEPTUNE 5/8" WATER METER TO BE CUBIC FOOT READING.
15. DUCTILE IRON PIPING, UNLESS OTHERWISE SPECIFIED, SHALL BE CLASS 52 MINIMUM, 1/4" MORTAR LINED AND WITH BITUMINOUS COATING. ALL FITTINGS AND ACCESSORIES SHALL BE 1/4" MORTAR LINED.
16. A CHAIN AND BREAKABLE LOCK SHALL BE ATTACHED THROUGH THE WHEELS OF THE GATE VALVES.

Drawn By: David Funk

6-05-01

CITY OF MANHATTAN BEACH
DEPARTMENT OF PUBLIC WORKS

DOUBLE CHECK/DETECTOR CHECK/BACKFLOW PREVENTOR (FIRE SERVICE)

APPROVED BY:

CITY ENGINEER

11/14/01
DATE

ST-18