

- CLA-VAL MODEL 100-01 HYTROL PRESSURE REDUCING VALVE (GLOBE PATTERN VALVE). DUCTILE IRON BODY WITH 316SS STAINLESS STEEL INTERNAL AND EXTERNAL TRIM AND EPOXY COATED BODY.
- (2) CLASS 52, MORTAR LINED, DIP SPINDLE PIECE (FOE).
- 3 CLASS 52, MORTAR LINED, DIP SPINDLE PIECE (FOE). FABRICATE WITH HARNESS LUGS WITH DRESSER.
- 4 DUCTILE IRON FLEX COUPLING. FORD, ROMAC, DRESSER OR APPROVED EQUIVALENT. STAINLESS STEEL TIEBACKS TO THE NEAREST FLANGES.
- (5) 504A K-FLOW BUTTERFLY VALVE FE x FE.
- 6 CLASS 52, MORTAR LINED, DIP SPINDLE PIECE (FOE.) 54" LONG. FABRICATE WITH HARNESS LUGS.
- "LINK-SEAL" MECHANICAL PIPING SEAL IN ANNULAR SPACE BETWEEN PIPE O.D. & ROUND, SLEEVE LINED, VAULT OPENING. CAST SLEEVE IN PLACE WITH VAULT.
- (8) 90° BEND, MORTAR LINED DIP WITH MJ x FE ENDS & CONCRETE BLOCK.
- (10) ROUND, RECESSED DRAIN SUMP WITH ALHAMBRA FOUNDRY PRECAST GRATING. 12" MINIMUM DEPTH & DIAMETER.
- (11) ADJUSTABLE PIPE SUPPORT STAINLESS STEEL PER STD 521.
- $\ensuremath{\textcircled{12}}$ RESILIENT WEDGE GATE VALVE WITH "BURIED SERVICE OPERATOR". MJ x FE ENDS.
- MORTAR LINED DUCTILE IRON TEE. MJ x FE x FE WITH CONCRETE THRUST BLOCK.

FORMER CITY STANDARD PLAN NUMBER (2004 EDITION): STD 521-L

- 14) INSTALL A LADDER BOLTED TO THE SIDE WALL OF VAULT PER STD 525-B
- (5) J&R PRECAST VAULT W/8" CONCRETE SLAB FLOOR. SECTIONAL VAULT MAY BE USED IN PARKWAY AREAS.
- (16) SDR-14 C-900 PVC PIPE.
- J&R U.S.F. DIAMOND PLATE ALUMINUM COVER IN PARKWAYS. J&R U.S.F. DIAMOND PLATE STAINLESS STEEL FOR TRAFFIC AREAS. SPRING ASSISTED, HINGED, TWO PIECE, LOCKING, COVER.
- (8) CONCRETE CURB AND GUTTER SECTION, TYPICAL. VAULTS SHOULD BE PLACED IN PARKWAY, PLANTER OR MEDIAN AREAS WHERE PRACTICAL.
- (9) 1" TAP WITH SADDLE CAST-IRON EPOXY COATING WITH STAINLESS STEEL STRAP AND 1" TYPE 316 SS BALL VALVE.
- (20) THRUST BLOCKS PER STD 516-A.

GENERAL NOTES

- ALL ABOVE GRADE PIPING SHALL BE PAINTED WITH AN ALKYD ENAMEL PAINT SYSTEM CONSISTING OF A 2 MIL PRIMER COAT AND TWO (2) COATS OF 2 MILS (EACH) HIGH GLOSS ENAMEL. COLOR SHALL BE BLUE.
- ALL BELOW GRADE DUCTILE IRON FITTINGS SHALL BE C-110. ALL BELOW GRADE DUCTILE IRON PIPE AND FITTINGS SHALL BE ENCASED IN ACCORDANCE WITH AWWA STANDARDS IN AN 8 MIL POLYETHYLENE WRAP
- ACCORDANCE WITH AWWA STANDARDS IN AN 8 MIL POLYETHYLENE WRAP.

 3. ALL FLANGE JOINTS SHALL BE CONNECTED WITH TYPE 316 STAINLESS STEEL FASTENERS. MECHANICAL JOINT SHALL BE JOINED WITH EITHER MALLEABLE IRON OR SELF—WEATHERING CORTEN STEEL.
- 4. ALL VAULTS REQUIRE THE INSTALLATION OF ONE VENT AT THE LOW POINT AND ONE AT THE HIGH POINT. VAULT VENTS SHALL BE INSTALLED PER STD 528-A OR STD 528-B. SIZING OF VENTS SHALL BE DETERMINED BY THE PROJECT'S ENGINEER.

APP. TITLE S1568 11/24/2020 DATE NO. DATE DESCRIPTION OF REVISIONS

CITY OF NEW PORT OF A CHARGE TO THE ACTUAL DEPARTMENT. OF DURING A WORKS

CITY OF NEWPORT BEACH DEPARTMENT OF PUBLIC WORKS

DRAWN: M. ELIAS

DATE: 11/3/2020

PRESSURE REDUCING STATION

STANDARD DRAWING NO.

520

SHEET 1 OF 1