NOT TO SCALE

1. SS316 STAINLESS STEEL TAPPING SLEEVES DO NOT REQUIRE CATHODIC PROTECTION.
2. ALL MJ JOINTS SHALL BE PROTECTED WITH A PETROLATUM TAPE WRAP SYSTEM.
3. FLANGE BY FLANGE CONNECTIONS WITH SS316 BOLTS DO NOT REQUIRE PETROLATUM TAPE WRAP SYSTEMS.
4. JUMPER BONDS TO STAINLESS STEEL FITTINGS, WHEN REQUIRED, SHALL BE F-33 ENRGO-CADWELD.

NOTES:

TEST STATION, SEE DETAIL W-21 HDPE

AWG #10 (WHITE)
TEST LEAD AND DRAIN CABLES

INSTALL TWO AWG #4 HDPE (BLACK)
JUMPER BOND WIRES (TYP.) TO EACH DIP FITTING

VALVE

HOPE FLANGE ADAPTER

PRE-PACKAGED ANODE, SEE CONSTRUCTION PLANS FOR ANODE TYPE, SIZING, AND QUANTITY

INSTALL ANODE 3" FROM ALL METALLIC FITTINGS AND PIPES

AWG #10 (BLACK)
ANODE LEAD

EXOTHERMIC WELD (TYP.)
SEE DETAIL W-22

THRU BLOCK, SEE DETAIL W-10

INSTALL TWO AWG #4 HDPE (BLACK)
JUMPER BOND WIRES (TYP.) TO EACH DIP FITTING

TEST LEAD AND DRAIN CABLE

EXCAVATE HOLE TO A MIN. OF 3-INCHES LARGER THAN THE ANODE DIAMETER. TOP OF ANODE SHALL BE 1-FOOT BELOW FITTINGS.

WIRING ACROSS FLANGE
(FOR FIRE HYDRANTS SEE DETAIL W-6 HDPE)

AWG #10 (BLACK) ANODE LEAD

JUMPER BOND
PREPARED ANODE, SEE CONSTRUCTION PLANS

VALVE BOX AND RISER, SEE DETAIL W-42

HDPE FLANGE ADAPTER

CITY OF REDWOOD CITY
ENGINEERING AND TRANSPORTATION

CATHODIC PROTECTION
AT FITTINGS & VALVES

STANDARD
DETAIL

W - 20
HDPE

DATE: 11/25/19