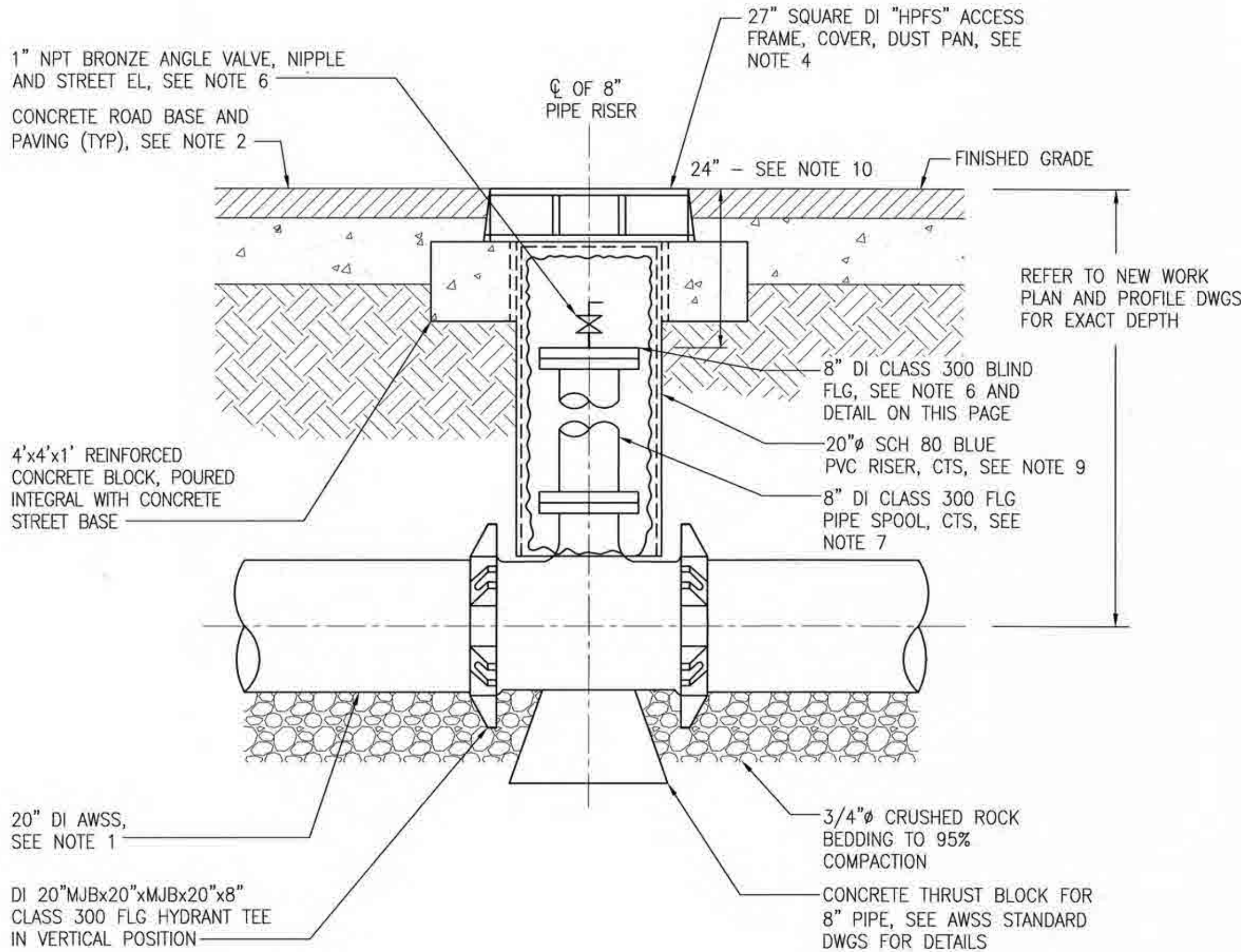
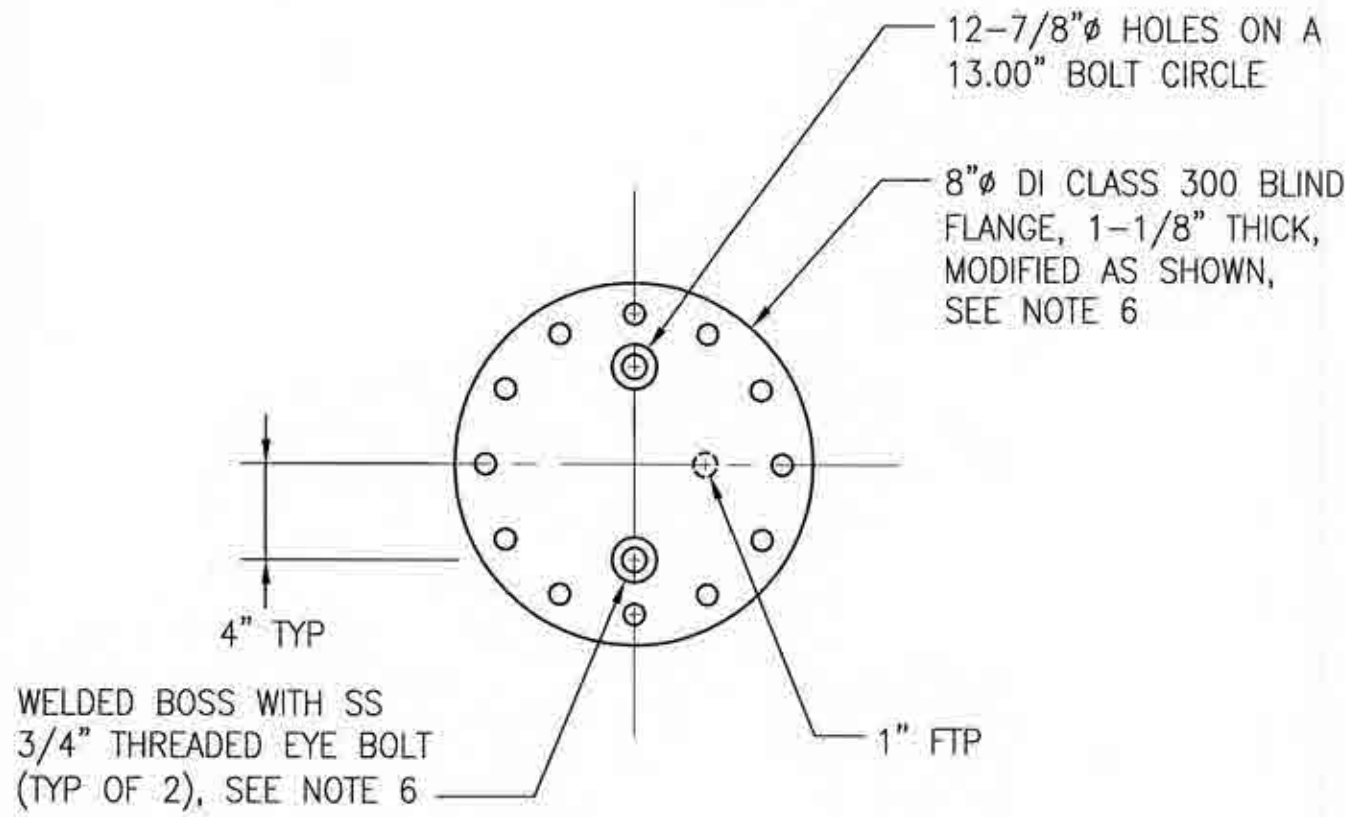


FILE: NAME\\v\\2652\\19th\_avenue\_combined\_city\_project\\2\_Design\\working\_drawing\\drawings\\E\\E\\E\\current\\awss\\2652\\\_AWSS\_MA-D06.dwg  
SAVE Monday, December 10, 2018 3:20:41 PM  
PLOT: EXTENTS  
SCALE: 1:1  
BORDER:  
22.34  
COLOR: No.  
RED 0.70MM  
YELLOW 0.20MM  
GREEN 0.25MM  
CYAN 0.40MM  
BLUE 0.50MM  
MAGENTA 0.20MM  
WHITE 0.35MM  
GRAY 0.15MM  
9 0.15MM  
10 1.00MM  
100 0.50MM  
210 0.50MM



PROFILE (TIE RODS AND CONNECTING FITTINGS NOT SHOWN)

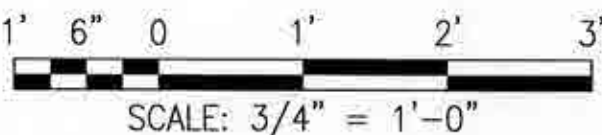
AWSS PIPE LINE ACCESS PORT (20" MAINLINE SHOWN)  
SCALE: 3/4" = 1'-0"



DETAIL - BLIND FLANGE  
NOT TO SCALE

NOTES:

1. REFER TO PLAN AND PROFILE DWGS FOR PIPE ALIGNMENT.
2. THE CONTRACTOR SHALL RESTORE THE ASPHALT PAVING/CONCRETE ROAD BASE PER CITY REQUIREMENTS. REFER TO THE GENERAL NOTES ON MA-G05 FOR DETAILS.
3. NOT ALL FLANGE FASTENERS ARE SHOWN FOR CLARITY. ALL FASTENERS SHALL BE MANUFACTURED FROM TYPE 316 STAINLESS STEEL.
4. THE 27" SQUARE ACCESS FRAME SHALL BE CENTERED ON THE 8" VERTICAL RISER.
5. THE PIPE SPOOL LENGTH SHALL BE CUT TO SUIT IN ORDER THAT THE TOP SURFACE OF THE BLIND FLANGE IS LOCATED 12" BELOW THE BOTTOM SURFACE OF THE DUST PAN WHEN PLACED INTO THE MANHOLE FRAME. THE CITY REPRESENTATIVE SHALL APPROVE THE FINAL CONFIGURATION PRIOR TO INSTALLATION.
6. THE 1" NPT HOLE FOR THE BLOW OFF FITTINGS SHALL BE LOCATED 3" OFF THE CENTER OF THE BLIND FLANGE, SEE DETAIL ON THIS SHEET. THE FPT HOLE SHALL BE MACHINE DRILLED/TAPPED IN AN APPROVED MACHINE SHOP. THE BRONZE ANGLE VALVE AND 90° STREET EL SHALL BE OF THE 300 LB CLASS. BRONZE NIPPLE SHALL BE SCH 80 MINIMUM.
7. THE TOP FLANGE OF THE PIPE SPOOL SHALL HAVE TWELVE (12) 7/8" NC THREADED HOLES ON A 13.00" BOLT CIRCLE. F/I TWELVE (12) 7/8" NC LONG BOLTS TO SECURE BLIND FLANGE TO THE PIPE SPOOL.
8. THE 8" BLIND FLANGE SHALL INCORPORATE TWO (2) 3/4" NC THREADED HOLES ON WELDED BOSSES FOR LIFTING PURPOSES. INSTALL TYPE 304 SS EYE BOLTS INTO THE WELDED BOSSES WITH BRASS BOLTS.  
  
THE CONTRACTOR SHALL SUBMIT DWGS OF THE MODIFIED BLIND FLANGE TO THE CITY REPRESENTATIVE FOR APPROVAL IN WRITING PRIOR TO FABRICATION.
9. NOTCH PVC AS REQUIRED AT LOWER END TO ACCOMMODATE THE TIE RODS.
10. PROVIDE MINIMUM OF 4" CLEARANCE BETWEEN TOP OF ANGLE VALVE AND BOTTOM OF DUST PAN FROM THE 27" SQUARE ACCESS COVER WHEN IN THE INSTALLED POSITION.



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PERMISSION OF THE SFPUC.

REFERENCES  
GATE BOOK PAGES, PLANS,  
SURVEY NOTES, ETC, USED  
  
GATE BOOK PAGES  
NO.



CITY AND COUNTY OF SAN FRANCISCO SAN FRANCISCO PUBLIC WORKS BUREAU OF DESIGN AND ENGINEERING			
SECTION MANAGER <i>[Signature]</i> 12/1/18	DRAWN MM/WC	01/2019	
DEPUTY BUREAU MANAGER <i>[Signature]</i> 12/19/18	DESIGNED MBS	01/2019	
BUREAU MANAGER <i>[Signature]</i> 12/1/18	CHECKED EL	01/2019	
NO.	DATE	DESCRIPTION	BY APPR'D
REVISIONS			

CITY AND COUNTY OF SAN FRANCISCO PUBLIC UTILITIES COMMISSION WATER ENTERPRISE CITY DISTRIBUTION DIVISION 19TH AVENUE (STATE ROUTE 1) COMBINED CITY PROJECT			
AUXILIARY WATER SUPPLY SYSTEM WORK PIPE LINE ACCESS POINT PROFILE AND DETAIL			
APPROVED <i>[Signature]</i> ENGINEERING MANAGER	APPROVED <i>[Signature]</i> MANAGER, CITY DISTRIBUTION DIVISION	SCALE AS SHOWN	DATE 01/2019
SHEET 283 OF 356	PLAN NO. MA-D06	FILE NO. 111,581	REVISION NO. 0