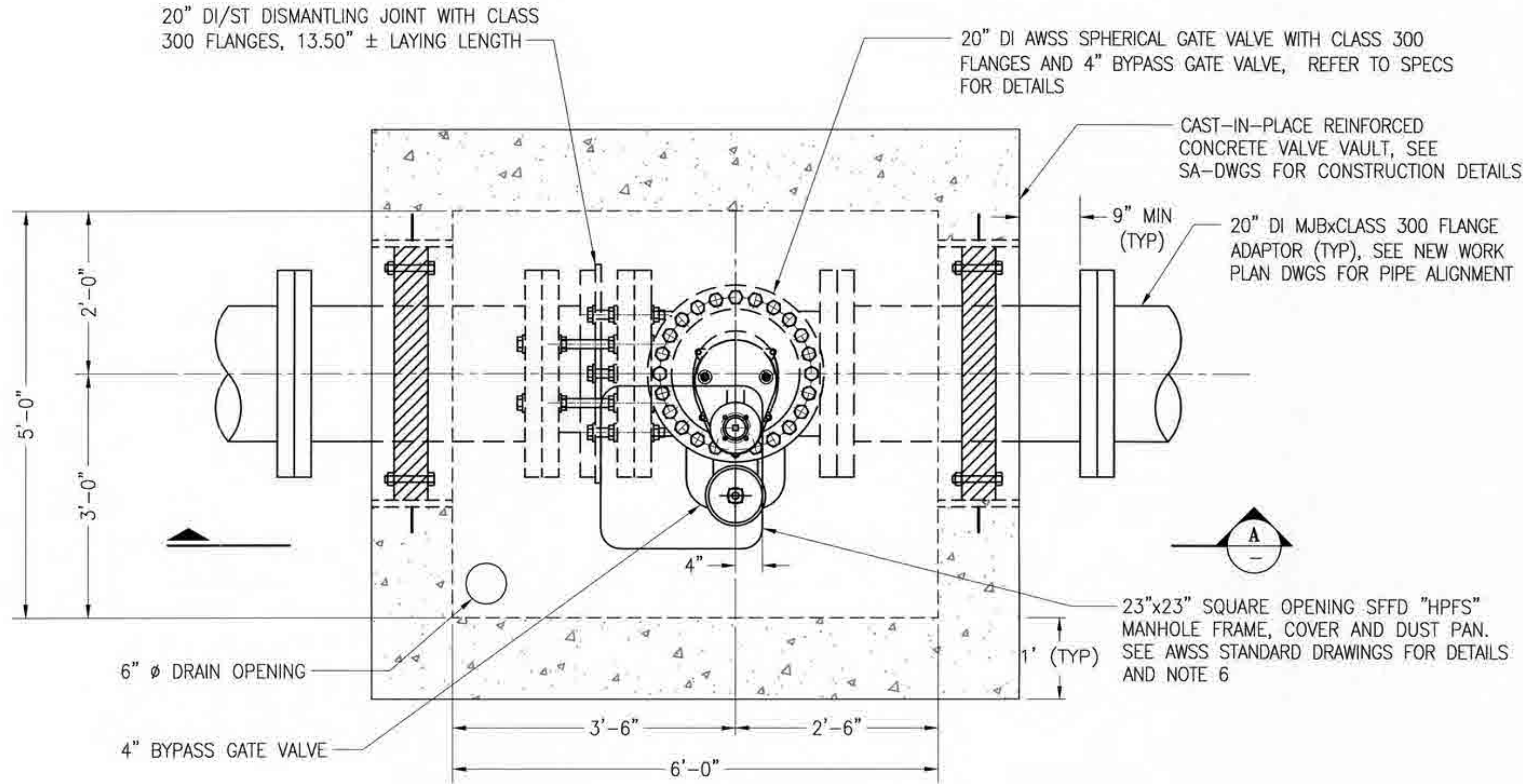


FILE NAME: \\v\2652\19th_venue_combined_city_project\2_Design\working_drawings\EME\current\awss\2652\1_AWSS_MA-004.dwg

SAVE Monday, December 10, 2018 9:09:50 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

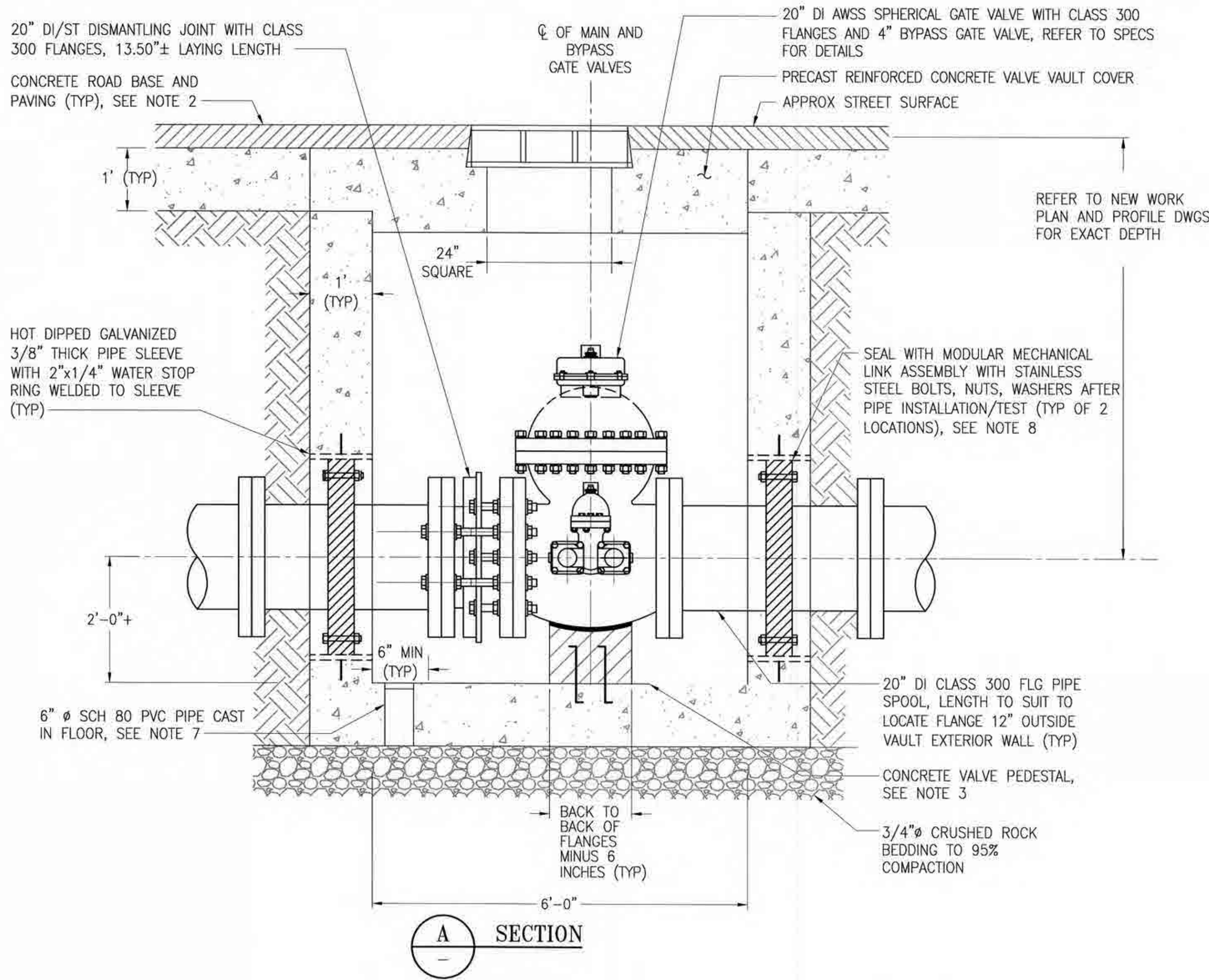


PLAN

(23" SQUARE MANHOLE COVER NOT SHOWN FOR CLARITY)

20" AWSS GATE VALVE AND VALVE VAULT ARRANGEMENT

SCALE: 3/4" = 1'-0"



SECTION

NOTES:

1. REFER TO PLAN AND PROFILE DWGS FOR PIPE ALIGNMENT.
2. THE CONTRACTOR SHALL RESTORE THE ASPHALT PAVING AND CONCRETE ROAD BASE PER CITY REQUIREMENTS. REFER TO THE GENERAL NOTES ON MA-G02.
3. THE CAST-IN-PLACE CONCRETE VALVE PEDESTAL SHALL BE POURED AFTER THE VAULT FLOOR AND GATE CHECK VALVE HAVE BEEN POURED/INSTALLED. CONCRETE PEDESTAL SHALL BE DOWELLED TO VALVE VAULT FLOOR WITH MINIMUM FOUR (4) #4 REBARS. NEOPRENE PAD SHALL BE 1/2" THICK SHORE "A" DUROMETER HARDNESS 70 MINIMUM, MANUFACTURER/MODEL: AMERICAN BILTRITE/AB-270 OR AN APPROVED EQUAL.
4. THE CAST-IN-PLACE REINFORCED CONCRETE VALVE VAULT AND OFFSITE PRECAST (AFTER VAULT IS POURED) VAULT COVER SHALL BE AS SHOWN ON THE SA-DWGS. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO THE CITY REPRESENTATIVE FOR APPROVAL PRIOR TO ERECTING FORM WORK. THE SUBMITTAL SHALL DOCUMENT ANY CHANGES REQUIRED TO CONSTRUCT THE CONCRETE VAULT AS REQUIRED TO ACCOMMODATE ADJACENT NEW AND EXISTING UTILITIES, DEPTH OF (E) AWSS PIPE, ANY CHANGES DUE TO SITE CONDITIONS, AND ANY DIMENSIONAL CHANGES FROM THE SA-DWGS AND MA-DWGS.
5. NOT ALL FLANGE FASTENERS ARE NOT SHOWN FOR CLARITY. ALL FASTENERS SHALL BE MANUFACTURED FROM TYPE 316 STAINLESS STEEL.
6. THE 23"x23" MANHOLE FRAME SHALL BE CENTERED ON THE MAIN AND BYPASS GATE VALVE 2" SQUARE OPERATING NUTS.
7. REFER TO SA-DWGS FOR EXACT PLACEMENT OF 6" PIPE DRAIN OPENING. PLUG PIPE FROM INSIDE VAULT WITH EXPANDABLE TYPE PIPE PLUG.
8. THE INSIDE DIAMETER OF THE PIPE SLEEVE SHALL BE 3" LARGER THAN THE PIPE FLANGE FOR THE PIPE BEING SEALED WITH THE MODULAR MECHANICAL LINK ASSEMBLY.

1' 6" 0 1' 2' 3'
SCALE: 3/4" = 1'-0"

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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>Engels</i> 12/1/18	DRAWN MM/WC 01/2019		
DEPUTY BUREAU MANAGER <i>Thompson</i> 12/19/18	DESIGNED MBS 01/2019		
BUREAU MANAGER <i>Michael B. Smith</i> 02/21/18	CHECKED EL 01/2019		
NO.	DATE	DESCRIPTION	BY
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 GATE VALVE AND VALVE VAULT ARRANGEMENT PLAN AND SECTION			
APPROVED <i>[Signature]</i> ENGINEERING MANAGER	APPROVED <i>[Signature]</i> MANAGER, CITY DISTRIBUTION DIVISION	SCALE 3/4" = 1'-0"	DATE 01/2019
281 OF 356	MA-004	111,579	0