

FURNISH AND INSTALL (UNLESS OTHERWISE NOTED):

ITEM	QUAN	DESCRIPTION
1	23	20" DI BS PIPE, 18'
2	2	20" DI BS PIPE, CTS
3	1	20" DI DS PIPE, CTS
4	2	20" DI DS PIPE WITH ONE (1) CLASS 300 FLG, CTS
5	1	20" DI BS PIPE WITH ONE (1) CLASS 300 FLG, CTS
6	4	20" DI CLASS 300 FLG PIPE SPOOL, APPROX 15'
7	6	20" DI NIPPLE, CTS
8	2	20"x8" DI MJBxFLG HYDRANT TEE
9	4	20" DI AWSS MJB ELBOW, 22 1/2"
10	8	20" DI STOP COLLAR
11	1	20" DI BELL COLLAR
12	2	20" DI/ST CLASS 300 FLG DISMANTLING JOINT
13	2	20" DI MJBxFLG ADAPTOR
14	1	20" DI CLASS 300 FLG GATE VALVE (FC)
15	1	20" DI/ST CLASS 300 FLG DISMANTLING JOINT
16	2	42" DI PIPE ENCASEMENT, APPROX. 18' - SEE AWSS STANDARD DWGS FOR DETAILS

90% LS of AWSS New Installation Work at Location No. 29 complete
by end of PP12 - November 2021;
50% LS charged in PP7; 30% LS charged in PP8; 5% LS charged in PP11.

FURNISH AND INSTALL CONTINUED (UNLESS OTHERWISE NOTED):

ITEM	QUAN	DESCRIPTION
17	2	8" DI CLASS 300 FLG GATE VALVE (FC), VALVE BOX, FRAME, COVER, DUST PAN
18	2	8" DI MJBxFLG ADAPTOR
19	1	8" DI CLASS 300 FLG ELBOW, 45°
20	2	8" DI NIPPLE, CTS
21	4	8" DI STOP COLLAR
22	2	DI HP MJB HYDRANT ASSY
23	4	DI HYDRANT FINISH PLATE
24	A/R	DI HYDRANT RISER
25	1	CAST-IN-PLACE CONCRETE EQUIPMENT PAD FOR DIRECT BURIED GATE VALVE, AND FABRICATED VALVE BOX AND RISER - SEE DWG MA-D05 FOR DETAILS
26	1	10" SQUARE DI "HPFS" ACCESS COVER, FRAME, DUST PAN AND 6"Ø DI "HPFS" ACCESS COVER, FRAME, DUST PAN - SEE DWG MA-D05 FOR DETAILS
27	1	AIR VALVE, VALVE BOX, FRAME, COVER, DUST PAN - SEE AWSS STANDARD DWG FOR DETAILS
28	A/R	STAINLESS STEEL TIE RODS, NUTS, WASHERS
29	9	CONCRETE THRUST BLOCK

MATCHLINE - SEE DWG MA-28.2

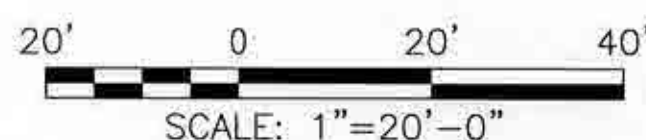
MATCHLINE - SEE DWG MA-30.2

19TH AVENUE

JUDAH STREET

NOTES:

- REFER TO THE UTILITY COMPOSITE AND RELATED DRAWINGS IN THE CONTRACT PACKAGE FOR EXISTING UTILITIES ADJACENT TO THE AWSS FACILITIES TO BE INSTALLED.
- FOR THE NEW WORK PLAN, ALL WORK IS NEW AND SHALL BE FURNISHED/INSTALLED BY THE CONTRACTOR UNLESS OTHERWISE SPECIFICALLY REFERRED TO AS EXISTING.
- MAINTAIN A MINIMUM 12" CLEARANCE BETWEEN ADJACENT UTILITIES/STRUCTURES AND AWSS FACILITIES UNLESS OTHERWISE NOTED OR APPROVED BY THE CITY REPRESENTATIVE.
- REFER TO DWGS MA-G02 AND MA-G05 FOR LEGEND, ABBREVIATIONS AND GENERAL NOTES. REFER TO DWG MA-29.3 FOR NEW WORK PROFILE.
- THE CONTRACTOR IS NOTIFIED THAT THE WORK REQUIRED TO INSTALL THE AWSS PIPE AND ENCASEMENT UNDER THE SFMTA MUNI TRACKWAY WILL REQUIRE COORDINATION WITH SFMTA AND TO PAY FOR ALL PERMITS. THE CONTRACTOR'S CREW SHALL BE CERTIFIED AS REQUIRED TO WORK ADJACENT TO ACTIVE RAILROAD TRACKS. THE PIPE ENCASEMENT SHALL EXTEND A MINIMUM OF 6" FROM THE EDGES OF THE TRACKWAY OR AS REQUIRED BY SFMTA WHEN THEIR REQUIREMENTS ARE GREATER. THE CONTRACTOR SHALL SUBMIT THEIR SCHEDULE/SEQUENCE OF WORK FOR INSTALLING FACILITIES UNDER THE TRACKWAY TO THE CITY REPRESENTATIVE PRIOR TO BEGINNING WORK.
- REFER TO DWG MA-G02 FOR CONSTRUCTION SEQUENCING. EACH PHASE OF WORK INDICATED ON THE PLAN SHALL BE INSTALLED AND TESTED AS A SEPARATE INSTALLATION.
- THE NEW AWSS PIPE SHALL BE INSTALLED TO MATCH THE ORIGINAL HORIZONTAL AND VERTICAL ALIGNMENT OF THE REMOVED DI PIPE, UNLESS OTHERWISE SHOWN ON THE NEW WORK PLAN AND PROFILE DWGS.
- REFER TO DWG MA-D08 FOR THE HIGH PRESSURE HYDRANT INSTALLATION DETAILS
- EXISTING PIPELINE ELEVATION FROM FINISHED STREET GRADE TO CENTERLINE OF PIPE PER RECORD DWGS AS PROVIDED BY THE SFPUC:
-20" DI PIPE ON 19TH AVENUE AT JUDAH STREET: 6'-11"±



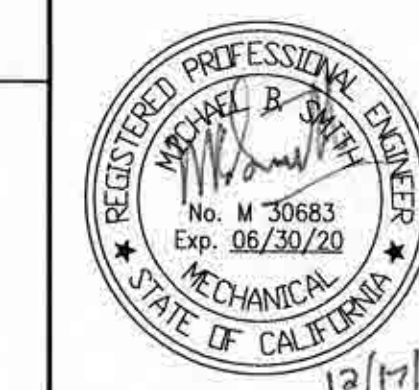
FOR THE SOLE USE OF THE DOCUMENT
RECIPIENT - DO NOT CITE, COPY, OR
CIRCULATE WITHOUT THE EXPRESS
PERMISSION OF THE SFPUC.

REFERENCES

GATE BOOK PAGES, PLANS,
SURVEY NOTES, ETC., USED

GATE BOOK PAGES
NO.

AWSS DWG NOS. 826,
826A, 827



CITY AND COUNTY OF SAN FRANCISCO			
SAN FRANCISCO PUBLIC WORKS			
BUREAU OF DESIGN AND ENGINEERING			
SECTION MANAGER	DESIGNED	MM/WC	01/2019
DEPUTY BUREAU MANAGER	DRAWN	MBS	01/2019
BUREAU MANAGER	CHECKED	EL	01/2019
NO. DATE DESCRIPTION BY APP'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			
LOCATION 29 - NEW WORK - PLAN			
APPROVED	APPROVED	SCALE	1"=20'-0"
ENGINEERING MANAGER	MANAGER, CITY DISTRIBUTION DIVISION	DATE	01/2019
273 OF 356	MA-29.2	111,571	0

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