

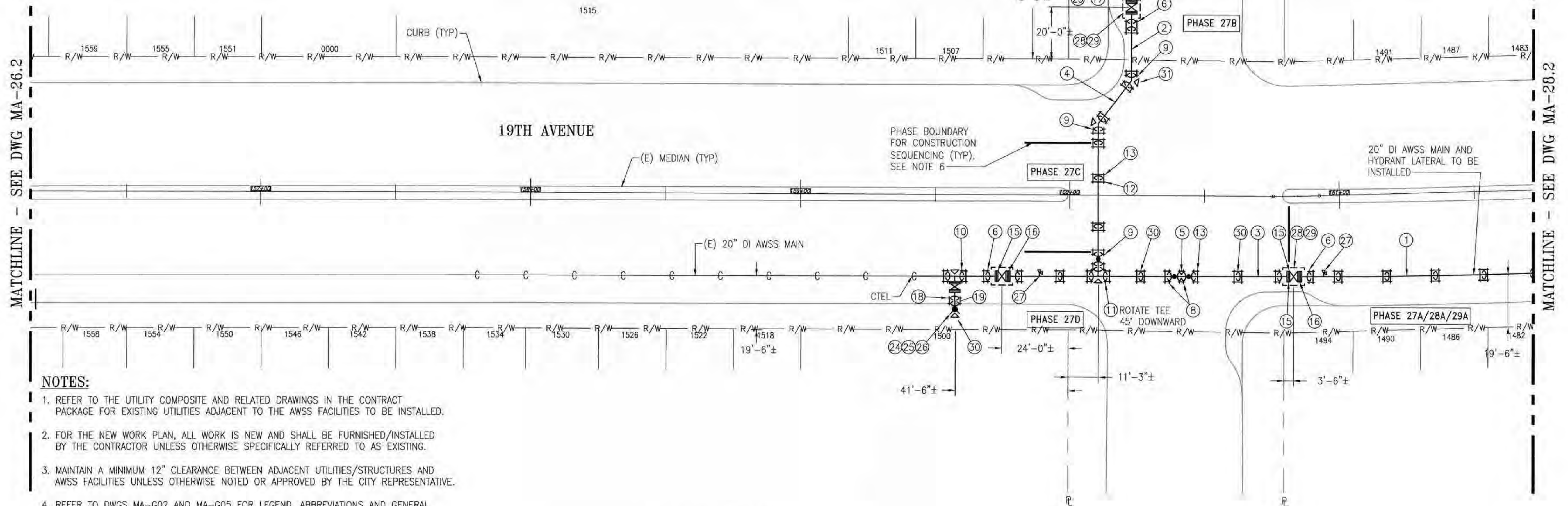
FURNISH AND INSTALL (UNLESS OTHERWISE NOTED):

ITEM	QUAN	DESCRIPTION
1	6	20" DI BS PIPE, 18'
2	4	20" DI DS PIPE, 18'
3	3	20" DI BS PIPE, CTS
4	6	20" DI DS PIPE, CTS
5	5	20" DI NIPPLE, CTS
6	6	20" DI MJBxFLG ADAPTOR
7	2	20" DI AWSS MJB ELBOW, 11-1/4"
8	2	20" DI AWSS MJB ELBOW, 22-1/2"
9	3	20" DI AWSS MJB ELBOW, 45"
10	2	20"x8" DI MJBxFLG HYDRANT TEE
11	1	20" DI AWSS MJB TEE
12	29	20" DI STOP COLLAR
13	9	20" DI BELL COLLAR
14	1	20" DI AWSS MJB FLAT CAP

ITEM	QUAN	DESCRIPTION
15	3	20" DI CLASS 300 FLG GATE VALVE (FC)
16	3	20" DI/ST CLASS 300 FLG DISMANTLING JOINT
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 NIPPLE, CTS
20	1	8" DI DS PIPE, CTS
21	4	8" DI AWSS FLG ELBOW, 90°
22	4	8" DI STOP COLLAR
23	1	8" DI CLASS 300 FLG SPOOL, CTS
24	2	DI HP MJB HYDRANT ASSEMBLY (FC)
25	4	DI HYDRANT FINISH PLATE
26	A/R	DI FLG HYDRANT RISER

ITEM	QUAN	DESCRIPTION
27	3	AIR VALVE, VALVE BOX, FRAME, COVER, DUST PAN - SEE AWSS STANDARD DWGS FOR DETAILS
28	3	CAST-IN-PLACE CONCRETE EQUIPMENT PAD FOR DIRECT BURIED GATE VALVE, AND FABRICATED VALVE BOX AND RISERS - SEE DWG MA-D05 FOR DETAILS
29	3	10" SQUARE DI "HPFS" ACCESS FRAME, COVER, DUST PAN AND 6" Ø DI "HPFS" ACCESS FRAME, COVER, DUST PAN - SEE DWG MA-D05 FOR DETAILS
30	A/R	STAINLESS STEEL TIE RODS, NUTS, WASHERS
31	14	CONCRETE THRUST BLOCK

60% of AWSS Installation Work at Location No. 27 complete by end of PP8 - July 2021



NOTES:

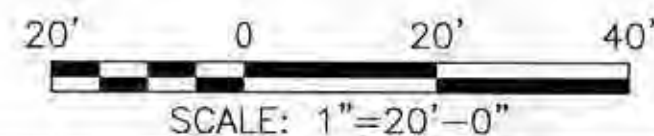
- REFER TO THE UTILITY COMPOSITE AND RELATED DRAWINGS IN THE CONTRACT PACKAGE FOR EXISTING UTILITIES ADJACENT TO THE AWSS FACILITIES TO BE INSTALLED.
- FOR THE NEW WORK PLAN, ALL WORK IS NEW AND SHALL BE FURNISHED/INSTALLED BY THE CONTRACTOR UNLESS OTHERWISE SPECIFICALLY REFERRED TO AS EXISTING.
- MAINTAIN 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-27.1 FOR REMOVAL WORK PLAN AND DWGS MA-27.3A AND MA-27.3B FOR NEW WORK PROFILES.
- 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-G02 FOR CONSTRUCTION SEQUENCING. EACH PHASE OF WORK INDICATED ON THE PLAN SHALL BE INSTALLED AND TESTED AS A SEPARATE INSTALLATION.
- 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:

-12" DI PIPE ON 19TH AVENUE NORTH OF KIRKHAM STREET: 5'-2"±  
-20" DI PIPE ON 19TH AVENUE SOUTH OF KIRKHAM STREET: 4'-6"± TO 6'-2"±

NEW WORK - PLAN  
SCALE: 1"=20'-0"

LOCATION 27 - 19TH AVENUE BETWEEN LAWTON/KIRKHAM STREETS -  
MID-BLOCK AND KIRKHAM/JUDAH STREETS - MID-BLOCK

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



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. 826A,  
828



CITY AND COUNTY OF SAN FRANCISCO PUBLIC WORKS BUREAU OF DESIGN AND ENGINEERING			
SECTION MANAGER 12/17/18	DRAWN MM/WC 01/2019		
DEPUTY BUREAU MANAGER 12/19/18	DESIGNED MBS 01/2019		
BUREAU MANAGER 12/19/18	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 27 - NEW WORK - PLAN			
APPROVED ENGINEERING MANAGER 12/17/18	APPROVED MANAGER, CITY DISTRIBUTION DIVISION 12/17/18	SCALE 1"=20'-0"	DATE 01/2019
265 OF 356	MA-27.2	111,563	0