

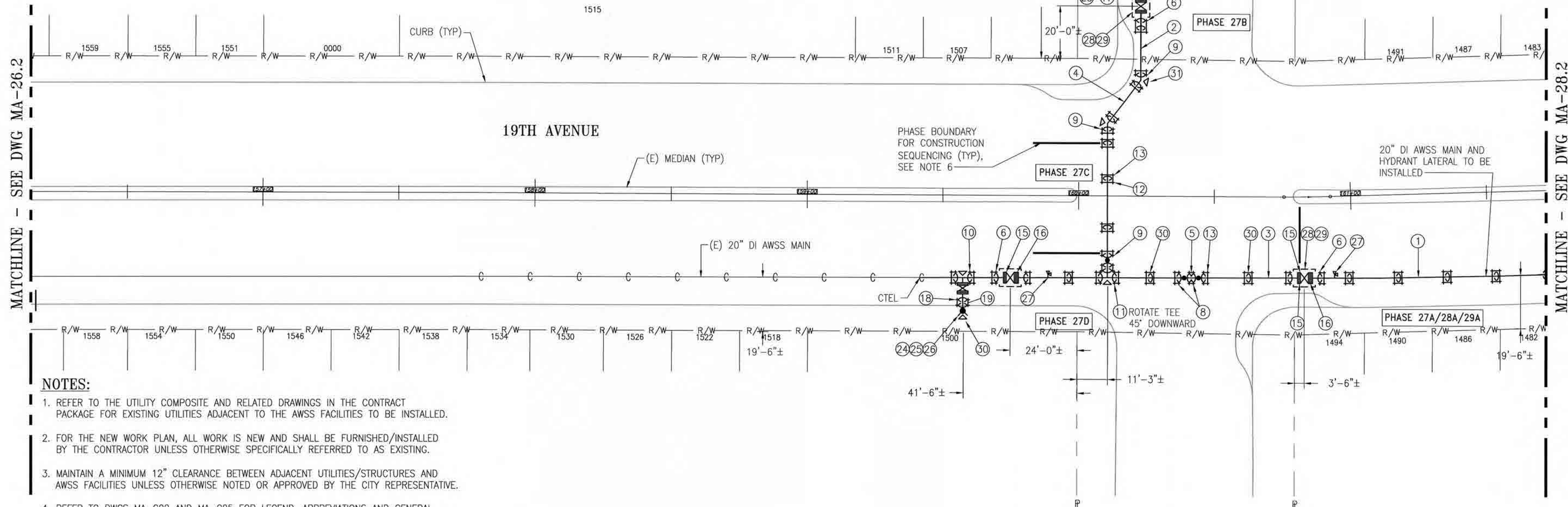
FURNISH AND INSTALL (UNLESS OTHERWISE NOTED):

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

90% LS of AWSS New Installation Work at Location No. 27 complete by end of PP12 - November 2021;
60% LS charged in PP8; 20% LS charged in PP9.



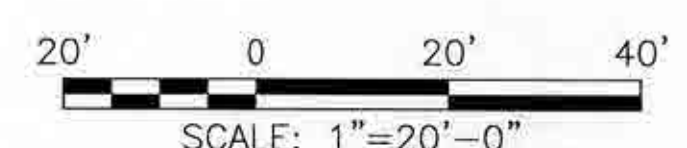
NOTES:

- 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



PLAN APPROVAL DATE	CONTRACT No.	PROJECT ID	DISTRICT	COUNTY	ROUTE	POST MILES TOTAL PROJECT
	04-0G3501	0400000325	04	SF	1	R0.94/4.05

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 SAN FRANCISCO PUBLIC WORKS BUREAU OF DESIGN AND ENGINEERING	
SECTION MANAGER <i>Signature</i> 12/17/18	DRAWN MM/WC 01/2019
DEPUTY BUREAU MANAGER <i>Signature</i> 12/19/18	DESIGNED MBS 01/2019
BUREAU MANAGER <i>Signature</i> 12/18/18	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 <i>Signature</i> ENGINEERING MANAGER	APPROVED <i>Signature</i> MANAGER, CITY DISTRIBUTION DIVISION
NO. 265 OF 356	FILE NO. 111,563
PLAN NO. MA-27.2	REVISION NO. 0
SCALE 1"=20'-0" DATE 01/2019	

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

FILE: NAME: v:\2652\19th_avenue_combined.ctb; project: 12_design\working_drawings\2652\19th_avenue_combined.ctb; user: JMW; WORK.dwg
SAVE: Monday, December 10, 2018 3:20:48 PM