



## NOTES:

- 1. REFER TO THE UTILITY COMPOSITE AND RELATED DRAWINGS IN THE CONTRACT PACKAGE FOR EXISTING UTILITIES ADJACENT TO THE AWSS FACILITIES TO BE INSTALLED.
- 2. FOR THE NEW WORK PLAN, ALL WORK IS NEW AND SHALL BE FURNISHED/INSTALLED BY THE CONTRACTOR UNLESS OTHERWISE SPECIFICALLY REFERRED TO AS EXISTING.
- 3. MAINTAIN A MINIMUM 12" CLEARANCE BETWEEN ADJACENT UTILITIES/STRUCTURES AND AWSS FACILITIES UNLESS OTHERWISE NOTED OR APPROVED BY THE CITY REPRESENTATIVE.
- 4. REFER TO DWGS MA-GO2 AND MA-GO5 FOR LEGEND, ABBREVIATIONS AND GENERAL NOTES. REFER TO DWG MA-15.3 FOR NEW WORK PROFILES FOR 19TH AVENUE AND ULLOA STREET.
- 5. 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.
- 6. REFER TO DWG MA-D06 FOR PIPE LINE ACCESS POINT DETAILS AND ADDITIONAL MATERIALS TO BE INSTALLED AT ACCESS POINT LOCATION. REFER TO DWG MA-DO8 FOR THE HIGH PRESSURE HYDRANT INSTALLATION DETAILS
- 7. REFER TO DWG MA-GO2 FOR CONSTRUCTION SEQUENCING, EACH PHASE OF WORK INDICATED ON THE PLAN SHALL BE INSTALLED AND TESTED AS A SEPARATE INSTALLATION.
- 8. EXISTING PIPELINE ELEVATION FROM FINISHED STREET GRADE TO CENTERLINE OF PIPE PER RECORD DWGS AS PROVIDED BY THE SFPUC:
- -16"/20" DI PIPES ON 19TH AVENUE AT ULLOA STREET: 5'-6"± TO 6'-6"±

ITEM	QUAN	DESCRIPTION
1	3	20" DI BS PIPE, 18'
2	1	20" DI DS PIPE, 18"
3	1	20" DI BS PIPE, CTS
4	5	20" DI DS PIPE, CTS
5	5	20" DI NIPPLE, CTS
6	1	20" DI AWSS MJB CROSS
7	1	20" DI AWSS MJB TEE
8	1	20" DI CLASS 300 FLG GATE VALVE
9	1	20" DI/ST CLASS 300 FLG DISMANTLI
10	2	20" DI FLGxMJB ADAPTOR

16" DI BS PIPE, CTS

16" DI STOP COLLAR (FS)

16" DI BELL COLLAR (FS)

FURNISH AND INSTALL (UNLESS OTHERWISE NOTED):

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	3	20" DI BS PIPE, 18'	20
1	1	20" DI DS PIPE, 18"	21
	1	20" DI BS PIPE, CTS	22
	5	20" DI DS PIPE, CTS	
	5	20" DI NIPPLE, CTS	23
	1	20" DI AWSS MJB CROSS	24
	1	20" DI AWSS MJB TEE	25
۱	1	20" DI CLASS 300 FLG GATE VALVE (FC)	26
	1	20" DI/ST CLASS 300 FLG DISMANTLING JOINT	27
	2	20" DI FLGXMJB ADAPTOR	28
	2 2 3 2 16	20"x8" MJBxFLG HYDRANT TEE, SEE NOTE 6	29
	3	20" DI MJB FLAT CAP	
	2	20" DI MJB SOLID SLEEVE	
	16	20" DI STOP COLLAR	
	4	20" DI BELL COLLAR	
	1	20"x16" MJB REDUCER	77.37

ITEM	QUAN	DESCRIPTION
20	2	8" DI BS PIPE, CTS
21	2	8" DI NIPPLE, CTS
22	1	8" DI CLASS 300 FLG GATE VALVE (FC), VALV
		BOX, FRAME, COVER, DUST PAN
23	1	8" DI FLGXMJB ADAPTOR
24	2	8" DI AWSS MJB ELBOW, 45"
25	1	8" DI AWSS MJB ELBOW, 90°
26	4	8" DI STOP COLLAR
27	1	DI MJB HP HYDRANT ASSY
28	2	DI HYDRANT FINISH PLATE
29	A/R	DI HYDRANT RISER

REFERENCES

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

GATE BOOK PAGES

AWSS DWG NOS. 826A,

840, 848

No. M 30683

Exp. 06/30/20

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FURNISH AND INSTALL (UNLESS OTHERWISE NOTED):

ITEM	QUAN	DESCRIPTION			
30	1	CAST-IN-PLACE CONCRETE EQUIPMENT PAD FOR DIRECT BURIE GATE VALVE, AND FABRICATED VALVE BOX AND RISER - SEE			
		DWG MA-DO5 FOR DETAILS	JEN SEE		
31	1	10" SQUARE DI "HPFS" ACCESS COVER, FRAME, DUST PAN AND			
		6"ø DI "HPFS" ACCESS COVER, FRAME, DUST PAN			
		MA-DO5 FOR DETAILS			
32	1	8" DI CLASS 300 FLG PIPE SPOOL, CTS - SEE NOTE 6			
33	1	8" DI BLIND FLG WITH A 1" NPT 300 LB BRONZE ANGLE VALVE — SEE NOTE 6			
34	1	27" SQAURE DI "HPFS" FRAME, COVER, AND DUST PAN - SEE N			
35	A/R	STAINLESS STEEL TIE RODS, NUTS, WASHERS CITY			
36	10	CONCRETE THRUST BLOCK	PUBLIC		
		SAN FRANCISCO PUBLIC WORKS	1 - 2 - 2 - 2		
	BUREAU OF DESIGN AND ENGINEERING		19		
ACT ESSE		SECTION MANAGER 12/17/19 DRAWN MM/WC 01/2019	AUXILIARY		

REVISIONS

FURNISH AND INSTALL (UNLESS OTHERWISE NOTED):

NO. DATE

8" DI CLASS 300 FLG PIPE SPOOL, CTS — SEE N 8" DI BLIND FLG WITH A 1" NPT 300 LB BRONZE — SEE NOTE 6			
27" SQAURE DI "HPFS" FRAME, COVER, AND DUST STAINLESS STEEL TIE RODS, NUTS, WASHERS CONCRETE THRUST BLOCK	PAN - SEE NOTE 6  CITY AND COUNTY OF SAN FRANCISCO  PUBLIC UTILITIES COMMISSION		
SAN FRANCISCO PUBLIC WORKS	WATER ENTERPRISE CITY DISTRIBUTION DIVISION		
BUREAU OF DESIGN AND ENGINEERING	19TH AVENUE (STATE ROUTE 1) COMBINED CITY PROJECT		
DEPUTY BUREAU MANAGER  12/17/19 MM/WC 01/2019  DEPUTY BUREAU MANAGER  12/19/18 MBS 01/2019  BUREAU MANAGER  12/20/18 CHECKED  EL 01/2019	AUXILIARY WATER SUPPLY SYSTEM WORK LOCATION 15 - NEW WORK - PLAN		

249 OF 356

MA-15.2

BY APPR'D

1"=20'-0'

01/2019

111,547

SCALE: 1"=20'-0"

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

FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES

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FILE: