

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

LOCATION NO. 15 - 19TH AVENUE AND ULLOA 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-15.3 FOR NEW WORK PROFILES FOR 19TH AVENUE AND ULLOA STREET.
- 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-D06 FOR PIPE LINE ACCESS POINT DETAILS AND ADDITIONAL MATERIALS TO BE INSTALLED AT ACCESS POINT LOCATION. REFER TO DWG MA-D08 FOR THE HIGH PRESSURE HYDRANT INSTALLATION DETAILS.
- 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.
- 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"±

FURNISH AND INSTALL (UNLESS OTHERWISE NOTED):

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 (FC)
9	1	20" DI/ST CLASS 300 FLG DISMANTLING JOINT
10	2	20" DI FLGxMJB ADAPTOR
11	2	20"x8" MJBxFLG HYDRANT TEE, SEE NOTE 6
12	3	20" DI MJB FLAT CAP
13	2	20" DI MJB SOLID SLEEVE
14	16	20" DI STOP COLLAR
15	4	20" DI BELL COLLAR
16	1	20"x16" MJB REDUCER
17	1	16" DI BS PIPE, CTS
18	1	16" DI STOP COLLAR (FS)
19	1	16" DI BELL COLLAR (FS)

FURNISH AND INSTALL (UNLESS OTHERWISE NOTED):

ITEM	QUAN	DESCRIPTION
20	2	8" DI BS PIPE, CTS
21	3	8" DI NIPPLE, CTS
22	1	8" DI CLASS 300 FLG GATE VALVE (FC), VALVE 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

FURNISH AND INSTALL (UNLESS OTHERWISE NOTED):

ITEM	QUAN	DESCRIPTION
30	1	CAST-IN-PLACE CONCRETE EQUIPMENT PAD FOR DIRECT BURIED GATE VALVE, AND FABRICATED VALVE BOX AND RISER - SEE DWG MA-D05 FOR DETAILS
31	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
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 NOTE 6
35	A/R	STAINLESS STEEL TIE RODS, NUTS, WASHERS
36	10	CONCRETE THRUST BLOCK

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,
840, 848



CITY AND COUNTY OF SAN FRANCISCO
SAN FRANCISCO PUBLIC WORKS
BUREAU OF DESIGN AND ENGINEERING

SECTION MANAGER	DESIGNED	DATE
DESIGNER	MM/WC	01/2019
DRAWN	MBS	01/2019
CHECKED	EL	01/2019

NO.	DATE	DESCRIPTION	BY	APPR'D	SHEET
REVISIONS					

CITY AND COUNTY OF SAN FRANCISCO
PUBLIC UTILITIES COMMISSION
WATER ENTERPRISE
CITY DISTRIBUTION DIVISION

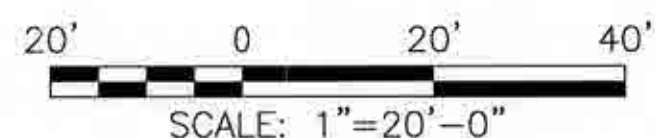
**19TH AVENUE (STATE ROUTE 1)
COMBINED CITY PROJECT**

**AUXILIARY WATER SUPPLY SYSTEM WORK
LOCATION 15 - NEW WORK - PLAN**

APPROVED	APPROVED	SCALE
ENGINEERING MANAGER	MANAGER, CITY DISTRIBUTION DIVISION	1"=20'-0"
DATE	DATE	DATE
01/2019	01/2019	01/2019

249 OF 356	MA-15.2	111,547	0
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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 APPROVAL DATE	CONTRACT No.	PROJECT ID	DISTRICT	COUNTY	ROUTE	POST MILES TOTAL PROJECT
	04-0G3501	0400000325	04	SF	1	R0.94/4.05

FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES

FILE:

SFPW JOB ORDER NO. 2652J