N

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

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

JUDAH STREET

1401

MATCHLINE - SEE DWG MA-28.2

MATCHLINE - SEE DWG MA-30.2

19TH AVENUE

(E) SFMTA MUNI LIGHT RAIL TRACK BED (TYP OF 2 CROSSINGS), SEE NOTE 5

ROTATE TEE 45' UPWARDS

20" DI AWSS AND HYDRANT LATERALS TO BE INSTALLED

(E) MEDIAN (TYP)

PHASE 27A/28A/29A

PHASE 29B/30A

PHASE BOUNDARY FOR CONSTRUCTION SEQUENCING, SEE NOTE 7

27'-6"±

87'-0"±

26'-5"±

26'-0"±

CURB (TYP)

PL (TYP)

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-G02 AND MA-G05 FOR LEGEND, ABBREVIATIONS AND GENERAL NOTES. REFER TO DWG MA-29.3 FOR NEW WORK PROFILE.

5. 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.

6. 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.

7. 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.

8. REFER TO DWG MA-D08 FOR THE HIGH PRESSURE HYDRANT INSTALLATION DETAILS

9. EXISTING PIPELINE ELEVATION FROM FINISHED STREET GRADE TO CENTERLINE OF PIPE PER RECORD DWGS AS PROVIDED BY THE SFPUC:
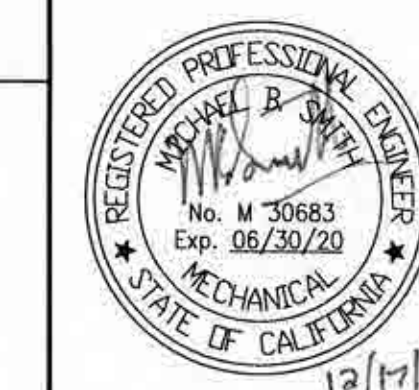
   -20" DI PIPE ON 19TH AVENUE AT JUDAH STREET: 6'-11"±
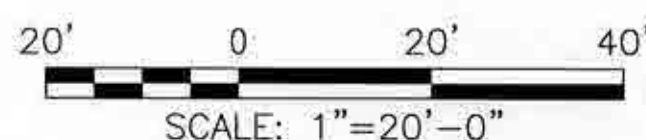
NEW WORK - PLAN
SCALE: 1"=20'-0"

LOCATION 29 - 19TH AVENUE BETWEEN KIRKHAM/JUDAH STREETS -
MID-BLOCK JUDAH/IRVING STREETS - MID-BLOCK

20' 0 20' 40'
SCALE: 1"=20'-0"

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		DRAWN MM/WC	01/2019
DEPUTY BUREAU MANAGER		DESIGNED MBS	01/2019
BUREAU MANAGER		CHECKED EL	01/2019

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

REGISTERED PROFESSIONAL ENGINEER
MICHAEL B. SMITH
No. M 30683
Exp. 06/30/20
MECHANICAL
STATE OF CALIFORNIA

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

NO.	DATE	DESCRIPTION	BY	APPR'D
		REVISIONS		

SHEET 273 OF 356
PLAN NO. MA-29.2
FILE NO. 111,571
REVISION NO. 0

SFPW JOB ORDER NO. 2652J