

CONSTRUCTION SEQUENCING

1. THE CONTRACTOR IS HEREBY NOTIFIED THAT ITEMS TO BE FURNISHED AND INSTALLED UNDER THIS CONTRACT MAY HAVE LONG LEAD TIMES EXCEEDING 4.5 MONTHS.
2. THE AWSS REMOVAL AND NEW WORK SHALL BE PERFORMED AS PART OF THE LARGER ROADWAY PROJECT AND COORDINATED WITH OTHER WORK IN THE GENERAL AWSS LOCATION OF WORK TO MINIMIZE DISRUPTION TO THE PUBLIC.
3. PRIOR TO BEGINNING WORK THE CONTRACTOR SHALL HAVE ALL REQUIRED FITTINGS, MATERIALS AND EQUIPMENT AVAILABLE AND IN THEIR PROCESSION WITHIN SAN FRANCISCO. THE CONTRACTOR SHALL THEN COORDINATE WITH THE CITY REPRESENTATIVE AND PROVIDE WRITTEN NOTICE A MINIMUM OF TEN (10) BUSINESS DAYS IN ORDER THAT THE CITY CAN ISOLATE THE WORK LOCATION. THIS NOTICE IS IN ADDITION TO OTHER REQUIRED PERMITS, NOTICES, ETC THAT ARE REQUIRED FOR CONSTRUCTION ACTIVITY AT THE PARTICULAR LOCATION.
4. THE REMOVAL OF EXISTING AWSS FACILITIES AND THE INSTALLATION OF NEW FACILITIES SHALL BE PERFORMED IN PHASES DUE TO THE CONSTRUCTION SEQUENCING OF THE OVERALL PROJECT. THE SEQUENCING OF PHASES FOR INSTALLATION AS SHOWN ON THE NEW WORK PLAN DRAWINGS SHALL BE AT THE DISCRETION OF THE CITY REPRESENTATIVE WITHOUT ANY FURTHER PAYMENT TO THE CONTRACTOR. THE CITY REPRESENTATIVE SHALL PROVIDE THE CONTRACTOR WITH THE SEQUENCING FOR INSTALLING THE SEPARATE PHASES OF THE AWSS WORK WITHIN 24 CALENDAR DAYS OF THE CONTRACTOR NOTIFYING THE CITY THAT THEY ARE READY TO BEGIN WORK AT THE SITE. THE CONTRACTOR SHALL REFER TO RELATED GENERAL CONTRACT DOCUMENTS FOR SCHEDULING OF PHASES OF INSTALLING THE WORK BASED ON THE OVERALL PROJECT SCHEDULE. THE CONTRACTOR SHALL SUBMIT A DETAILED WRITTEN CONSTRUCTION SEQUENCING PROCEDURE FOR APPROVAL BY THE CITY REPRESENTATIVE A MINIMUM OF 10 WORKING DAYS PRIOR TO THE PROPOSED WORK FOR THE PHASE COMMENCING.

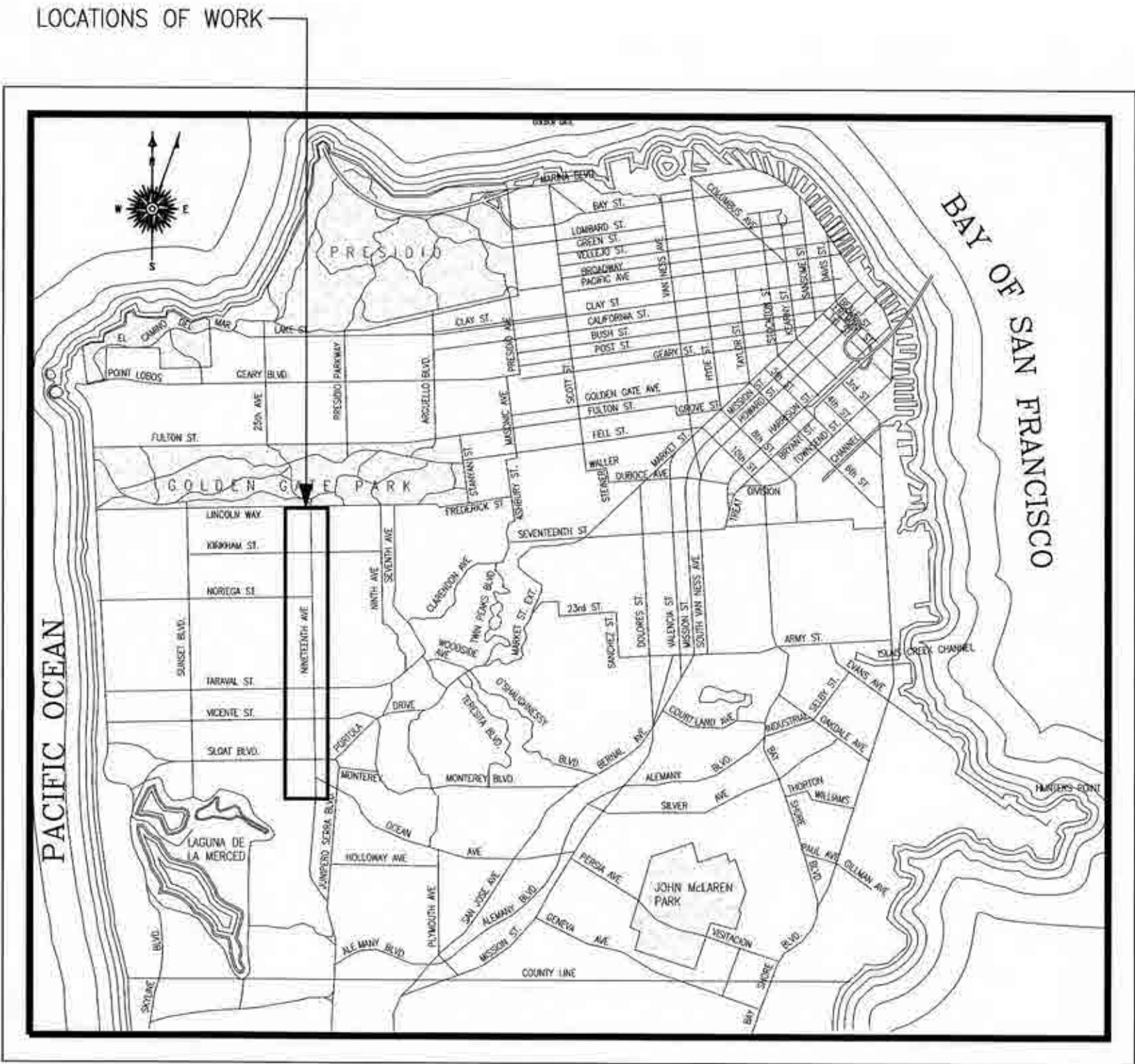
THE CONTRACTOR SHALL FURNISH, INSTALL AND REMOVE, ALL TEMPORARY MATERIALS AND INSTALLATIONS AS DESCRIBED BELOW THAT ARE NECESSARY TO INSTALL AND TEST EACH INDIVIDUAL PHASE OF WORK AS SHOWN ON THE NEW WORK PLAN DRAWINGS. THIS WORK SHALL BE PERFORMED WITHOUT EXTRA COMPENSATION AND SHALL BE CONSIDER INCIDENTAL TO EACH LOCATION. THE SFPD WILL TEST EACH PHASE OF THE WORK SEPARATELY WHEN REQUESTED BY THE CONTRACTOR PROVIDED THAT NECESSARY ADVANCE NOTICE AS STATED IN THE SPECIFICATIONS IS MADE THROUGH THE CITY REPRESENTATIVE.

THE WORK TO PERFORM THE INSTALLATION OF A PARTICULAR PHASE OF WORK AS IDENTIFIED ON THE NEW WORK PLAN DRAWINGS SHALL CONSIST OF REMOVING THE EXISTING PIPE FROM THE POINT OF CONNECTION (WHEN APPLICABLE) FROM THE EXISTING PIPE TO REMAIN IN PLACE. THE NEW WORK SHALL INCLUDE FURNISHING, INSTALLING, REMOVING, THE FOLLOWING TEMPORARY FACILITIES AS NECESSARY TO RESTRAIN THE INSTALLED PIPE FOR THE HYDROSTATIC TEST TO COMPLETE AN INDIVIDUAL PHASE:

- 1.) 20-INCH DI CLASS 300 BLIND FLANGE WITH A 300 POUND 1" NPT ANGLE VALVE TAPPED INTO THE BLIND FLANGE;
 - 2.) RESTRAINED 20" DI MJB FLAT CAP WITH A 300 POUND 1" NPT ANGLE VALVE TAPPED INTO THE CAP; STEEL AND CONCRETE SPACER BLOCK'S AGAINST THE THE EXISTING PIPE;
 - 3.) CONCRETE THRUST BLOCK; AND
 - 4.) ALL NECESSARY TIE RODS, GASKETS, GLANDS, AS REQUIRED TO. PROPERLY INSTALL THE AFOREMENTIONED MATERIALS. IMMEDIATELY AFTER THE PHASE OF WORK IS TESTED AND ACCEPTED BY THE CITY REPRESENTATIVE, THE CONTRACTOR SHALL RESTORE THE TRENCH UP TO AND INCLUDING THE CONCRETE ROAD BASE. REFER TO RELATED REQUIREMENT IN THE CONTRACT DOCUMENTS FOR PAVING AND REMOVING THE TRENCH PLATES.
- THE CITY RESERVES THE RIGHT TO MOVE THE PHASE OF BOUNDARY TO AN ADJACENT NEW WORK PIPE JOINT BY PROVIDING THE CONTRACTOR WRITTEN NOTICE.
5. ALL SETTLEMENT MONITORING AND SUPPORTS OF AWSS FACILITIES SHALL BE PERFORMED PRIOR TO ANY REQUIRED EXCAVATION TO REMOVE EXISTING AND/OR INSTALL NEW SEWER FACILITIES REFER TO DWG MA-06, SPECIFICATION SECTION 01 41 28 - PROTECTION OF EXISTING WATER AND AWSS FACILITIES, AND SETTLEMENT MONITORING DRAWINGS FOR EACH WORK LOCATION.

OVERALL PROJECT GENERAL NOTES:

1. ROADWAY CONCRETE BASE AND PAVEMENT RESTORATION IS REQUIRED FOR ALL AREAS EXCAVATED FOR TRENCHES AND VAULTS. SIDEWALK RESTORATION IS REQUIRED FOR ALL AREAS OF THE SIDEWALK REMOVED AND/OR DAMAGED TO REMOVE EXISTING FACILITIES AND TO INSTALL THE NEW FACILITIES.
- IN ORDER TO PERFORM THE WORK AS SHOWN IN THE CONTRACT DOCUMENTS, RESTORATION WORK SHALL COMPLY WITH ALL CALTRANS (CALIFORNIA DEPARTMENT OF TRANSPORTATION) AND SAN FRANCISCO DEPARTMENT OF PUBLIC WORKS REQUIREMENTS INCLUDING THOSE REQUIREMENTS FOR PAVING OUTSIDE THE IMMEDIATE WORK AREA. THIS WORK SHALL BE PERFORMED AS PART OF THE CONTRACT WORK SCOPE.
2. IN ACCORDANCE WITH THE PROVISIONS OF THE CALIFORNIA PUBLIC CONTRACT CODE, SECTION 3300, A BID SUBMITTED TO A PUBLIC AGENCY BY A CONTRACTOR WHO IS NOT LICENSED IN ACCORDANCE WITH CHAPTER 9 OF THE BUSINESS AND PROFESSIONS CODE SHALL BE CONSIDERED NON-RESPONSIVE AND SHALL BE REJECTED BY THE PUBLIC AGENCY.
3. AT THE TIME THE CONTRACT IS AWARDED, THE CONTRACTOR SHALL POSSESS A CLASS A, GENERAL ENGINEERING CONTRACTOR'S LICENSE.
4. CONTRACTOR SHALL CALL UNDERGROUND SERVICE ALERT (USA) TO REQUEST THAT MEMBER COMPANIES LOCATE AND MARK THEIR UNDERGROUND SERVICE LINES AND EQUIPMENT AT LEAST 48 HRS PRIOR TO TRENCH EXCAVATION. CONTRACTOR SHALL BE RESPONSIBLE FOR RELATED FEES FOR THEIR COORDINATION EFFORTS INCLUDING BUT NOT LIMITED TO FEES REQUIRED BY MEMBER COMPANIES. CONTRACTOR SHALL PAY FOR DPW STREET OPENING PERMIT PRIOR TO EXCAVATION.



KEY MAP (SEE DWGS MA-G03 AND MA-G04 FOR DETAILED LOCATIONS)

SCALE: NONE

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

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CIRCULATE WITHOUT THE EXPRESS
PERMISSION OF THE SFPUC.

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

GATE BOOK PAGES
NO.



CITY AND COUNTY OF SAN FRANCISCO SAN FRANCISCO PUBLIC WORKS BUREAU OF DESIGN AND ENGINEERING			
SECTION MANAGER <i>[Signature]</i> 12/17/19	DRAWN MM/WC	01/2019	
DEPUTY BUREAU MANAGER <i>[Signature]</i> 12/19/18	DESIGNED MBS	01/2019	
BUREAU MANAGER <i>[Signature]</i> 12/29/18	CHECKED EL	01/2019	
NO.	DATE	DESCRIPTION	BY APPR'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 PROJECT NOTES AND KEY MAP			
APPROVED <i>[Signature]</i> ENGINEERING MANAGER	APPROVED <i>[Signature]</i> MANAGER, CITY DISTRIBUTION DIVISION	SCALE NONE	DATE 01/2019
SHEET 242 OF 356	PLAN NO. MA-G02	FILE NO. 111,540	REVISION NO. 0

FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES 0 1 2 3 4