




LEGEND:

-  ANODE BED AND TEST STATION
-  INSULATED FLANGE JOINT TEST STATION
-  INSULATED FLANGE JOINT

GENERAL NOTES:

1. FOR EXACT DIMENSIONS OF THE PIPELINES AND APPURTENANCES, SEE PIPELINE DRAWINGS.
2. CORROSION PROTECTION FOR THESE PIPELINES SHALL CONSIST OF PREPACKAGED MAGNESIUM ANODES INSTALLED AT THE TEST STATION LOCATION SHOWN ON THE CATHODIC PROTECTION SITE PLAN. THE EXACT LOCATION OF THE ANODES AND TEST STATIONS SHALL BE DETERMINED IN THE FIELD AND SUBMITTED TO THE CITY REPRESENTATIVE FOR REVIEW.
3. THE NEW 36-INCH DIP WATER PIPELINE SHALL BE ELECTRICALLY ISOLATED FROM THE EXISTING PIPELINES USING DIELECTRIC INSULATING FLANGE KITS. INSTALL INSULATING FLANGE KIT AND GASKET ON THE 36"Ø GATE VALVE.
4. THE BURIED NON-WELDED AND NON-INSULATED FLANGE JOINTS ALONG THE NEW WATER PIPELINE ALIGNMENT PROVIDED UNDER THE CONTRACT SHALL BE BONDED WITH ONE #8 AWG/HMWPE INSULATED BOND CABLE PER JOINT, PER DETAIL 2 ON PLAN NO. WD-2775-17, TO PROVIDE ELECTRICAL CONTINUITY FOR CATHODIC PROTECTION.
5. UNLESS OTHERWISE NOTED, ALL COMPONENTS AS HIGHLIGHTED ARE NEW AND TO BE INSTALLED UNDER THE CONTRACT.
6. WIRING SHOWN IS ONLY A SCHEMATIC AND ACTUAL WIRING LAYOUT SHALL BE DETERMINED IN THE FIELD.
7. THE CATHODIC PROTECTION LAYOUT IS ONLY A SCHEMATIC DIAGRAM. THE ACTUAL INSTALLATION AND LAYOUT SHALL BE PER FINAL APPROVED SUBMITTAL.
8. APPLY WAX TAPE TO ALL BURIED PIPE FLANGE JOINTS PER DETAIL 4 ON PLAN NO. WD-2775-17.
9. ALL BURIED DUCTILE IRON PIPELINES SHALL BE ENCASED IN POLYETHYLENE ENCASEMENT, SEE SPEC 33 11 41.
10. THE ANODE TEST STATION BOX SHALL BE LOCATED ON THE SIDEWALK. THE SIDEWALK SHALL BE RESTORED PER THE CITY'S REQUIREMENT. ALTERNATIVELY, IT WILL BE ACCEPTABLE TO INSTALL THE TEST STATION BOX ON THE GRASSY AREA ALONG THE SIDEWALK OR THE ROAD VERGE.

ANODE BED AND TEST STATION SCHEDULE

TEST STATION NO.	DETAIL PLAN NO.	PIPELINE TO BE PROTECTED	NO. OF ANODES
A-1	DETAIL 1, WD-2775-15	(N) 36"Ø DIP	8
A-2	DETAIL 1, WD-2775-15	(N) 36"Ø DIP	8

INSULATED FLANGE JOINT AND TEST STATION SCHEDULE

TEST STATION NO.	DETAIL PLAN NO.	PIPELINE TO BE ISOLATED	
F-1	DETAIL 4, WD-2775-18	(N) 36"Ø DIP	

PLOT: EXTEND  
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 0.70MM  
210 0.60MM

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

65 & 90

CCSF 2013  
NAVD88



KEY PLAN  
NOT TO SCALE

WATER CONTRACT NO. WD-2775  
CONTRACT NO. 2652J

CITY AND COUNTY OF SAN FRANCISCO			
<b>PUBLIC UTILITIES COMMISSION</b>			
INFRASTRUCTURE DIVISION			
ENGINEERING MANAGEMENT BUREAU			
INSTALLATION OF 16-INCH AND 36-INCH, AND RELOCATION OF 8-INCH DUCTILE IRON WATER MAINS AT VARIOUS LOCATIONS ON 19TH AVENUE FROM HOLLOWAY AVENUE TO LINCOLN WAY			
CORROSION CONTROL PLAN			
CHECKED / APPROVED	RT	DRAWN	AS SHOWN
SECTION MANAGER	T. Lee	DESIGNED	AUG 2018
APPROVED	John Wong	APPROVED	
MANAGER, ENGINEERING MANAGEMENT BUREAU		MANAGER, CITY DISTRIBUTION DIVISION	
SHEET	OF	PLAN NO.	REVISION NO.
		WD-2775-14	E-31383
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