

## LEGEND:

ANODE BED AND TEST STATION

PLOT: EXTEND

22,34

RED 0.70MM

YELLOW 0.20MM GREEN 0.25MM CYAN 0.40MM BLUE 0.50MM

MAGENTA0.20MM

WHITE 0.35MM GRAY 0.15MM 9 0.15MM 10 1.00MM

0.70MM 0.60MM

10

100 210

SCALE: 1:1

COLOR: No.

BORDER:

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 WELDED STEEL MAIN SHALL BE ELECTRICALLY ISOLATED FROM THE EXISTING PIPELINES USING DIELECTRIC INSULATING FLANGE KITS. SEE THE INSULATED FLANGE JOINT AND TEST STATION SCHEDULE FOR THE LOCATION TO INSTALL THE INSULATING FLANGE JOINT KIT.
- 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
- 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 SIDEWWALK OR THE ROAD VERGE.
- LOCATE THE TEST STATION BOX AS CLOSE TO THE CURB AS PRACTICAL, AWAY FROM THE MIDDLE OF THE STREET, TO ALLOW FOR ACCESS TO TEST.

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EST STATION NO.	DETAIL PLAN NO.	PIPELINE TO BE PROTECTED	NO. OF ANODES
A-1	DETAIL 1, WD-2775-15	(N) 36"ø WS MAIN	8
A-2	DETAIL 1, WD-2775-15	(N) 36"Ø WS MAIN	8
B-1	DETAIL 1, WD-2775-15	(N) 36"ø WS (SLOAT BLVD.)	3

INSULATED FLANGE JOINT AND TEST STATION SCHEDULE					
EST STATION NO.	DETAIL PLAN NO.	LOCATION OF FLANGE TO INSTALL IFJ KIT	PIPELINE DETAIL		
F-1	DETAIL 4, WD-2775-18	(N) TEE CONNECTION, 36"Ø FLANGE	DETAIL 2, WD-2775-10		
F-2	DETAIL 4, WD-2775-18	(N) TEE CONNECTION AT 16"Ø GATE VALVE FLANGE	DETAIL 1, WD-2775-10		
F-3	DETAIL 4, WD-2775-18	(N) 36"ø BFV (EAST) FLANGE	DETAIL 1, WD-2775-10.1		

KEY PLAN

NOT TO SCALE

REVISIONS

103/10/21 PCO #3 - REVISE IFJ AND ANODE TEST STATIONS

NO. DATE

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REFERENCES GATE BOOK PAGES, PLANS, SURVEY NOTES, ETC, USED 65 & 90

CCSF 2013

NAVD88

04/22/2021

CONTRACT NO. 2652J CITY AND COUNTY OF SAN FRANCISCO

## PUBLIC UTILITIES COMMISSION INFRASTRUCTURE DIVISION

ENGINEERING MANAGEMENT BUREAU

WATER CONTRACT NO. WD-2775

INSTALLATION OF 16-INCH AND 36-INCH, AND RELOCATION O 8-INCH DUCTILE IRON WATER MAINS AT VARIOUS LOCATIONS ON 19TH AVENUE FROM HOLLOWAY AVENUE TO LINCOLN WAY

CORROSION CONTROL PLAN

			CHECKED / APPROVED BY /	EC	DRAWN	E CHEUNG	AS SHOWN	
			section manager KHII	NE OO	DESIGNED	E CHEUNG	AUG 2018	
			APPROVED	1 60	APPROVED		- 6 2 . 1	
			Jak ,	William P. Teahan				
	BY	EC	MANAGER, ENGINEERING MANAGEMENT BUREAU		MANAGER, CITY DISTRIBUTION DIVISION			
	BY	APPR'D	SHEET	PLAN NO.	DRA	WING NO.	REVISION NO.	
			OF	WD - 2775 -	14   F	-31383		

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

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FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES