ADDENDUM NO 1 TO CONTRACT DOCUMENTS FOR JA-3 Cathodic Protection System

[DISTRICT PROJECT NO.: 4223]

12/03/2021

This addendum is hereby attached to and made part of the Contract Documents. The addendum consists of 2 pages of written text (including this cover sheet) and 1 page of drawings. Each Bidder shall acknowledge receipt of this addendum on the bid (page C-1) and by signing and attaching this addendum to the bid.

- 1. Drawing CP-6 is updated to specify the voltage/amperage requirements for the rectifier.
- 2. The date of the bid opening remains December 15th at 2:30 pm.

JORDAN VALLEY WATER CONSERVANCY DISTRICT

Conor Tyson Staff Engineer

BIDDER'S CERTIFICATE

I acknowledge receipt of the foregoing Addendum No. 1 and accept all conditions contained therein.

Bidder:		
D		
By:	Signature	
	Signature	
Date:		

4" SQ. BY 1/4" THICK HOT DIPPED GALV. STEEL TUBE POST, LENGTH AS REQD, TYP WATCHDOG REMOTE 4" SQ. BY 1/4" THICK HOT DIPPED RECTIFIER GALV. STEEL TUBE POST, LENGTH AS REQD, TYP #6 AWG GRD WIRE ANODE JUNCTION BOX, BOLT TO SUPPORT SEE DETAIL DEEP ANODE GROUNDBED, SEE DETAIL ELECTRICAL SERVICE PEDESTAL, CONDUIT SIZE AS REQ'D, TYP SEE DETAIL (2) (P6) BOLLARD, TYP. OF 4 SEE DETAIL \circ REINFORCED CONCRETE SLAB SEE DETAIL AND SITE PLAN FINISH GRADE GROUND ROD 3" INCOMING CONDUIT 3" ANODE LEAD CONDUIT **ELEVATION** FROM SECTIONALIZER FROM ANODE WELL, TYP. CONCRETE TWO (2) #10 AWG PIPE TEST LEADS, ONE (1) REF. CELL - LEAD WIRE, AND ONE (1) #4 AWG NEGATIVE WIRE INSIDE RIGID PVC CONDUIT TO STRUCTURE AT BREAKOUT #3 DEEP ANODE GROUNDBED, SEE DETAIL (2) (P6) BOLLARD, TYP. OF 4, SEE DETAIL 5' X 12' X 8" REINFORCED CONCRETE SLAB, SEE DETAIL (3) (P) 7 GROUND ROD AND GROUND WIRE 3" INCOMING CONDUIT ANODE JUNCTION BOX, ELECTRICAL SERVICE PEDESTAL, SEE DETAIL 4 SEE DETAIL WATCHDOG REMOTE 8" TYP ALL SIDES - RECTIFIER REQ'D, TYP TWO (2) #10 AWG PIPE TEST LEADS, ONE (1) REF. CELL LEAD WIRE, AND ONE (1) #4 AWG NEGATIVE WIRE INSIDE RIGID PVC CONDUIT TO STRUCTURE AT BREAKOUT #3 PLAN FINAL LOCATION OF INSTALLATION AND EQUIPMENT TO BE DETERMINED BY OWNER. FILL STEEL TUBE POSTS WITH CONCRETE TO TOP OF TUBE AND ROUND OFF TOP. GRADE SITE AS REQUIRED FOR LEVEL INSTALLATION.
WORK SHALL INCLUDE INSTALLATION OF REMOTE MONITORING UNIT AS SPECIFIED. **POST MOUNTED RECTIFIER DETAIL** OFESSION

5' X 12' X 8" REINFORCED CONCRETE SLAB,
SEE DETAIL BOLLARD, SEE DETAIL STEEL VENT PIPE -CONDUIT TO JUNCT. BOX -(3) (P) SEE DETAIL — FINISH GRADE (4) CP7 WIRE TO RECTIFIER POSITIVE TERMINAL BELOW GROUND IN CONDUIT ANODE LEAD WIRES ALL WIRES NOT SHOWN PVC SURFACE CASING, FILL WITH CASING SEAL MATERIAL SANITARY SEAL PER STATE REQUIREMENTS VENT PIPE, "ALLVENT" IN ACTIVE COLUMN IMPRESSED CURRENT ANODE 8' O.C., TYP, SEE SCHEDULE FOR QUANTITY AND TYPE STEEL STANDPIPE, 1-1/4" DIA. REMOVE STEEL PIPE FROM INACTIVE COLUMN UPON COMPLETION OF COKE BREEZE INSTALLATION LORESCO SC3 COKE BREEZE BACKFILL ANODE CENTERING DEVICE, TYP EA. ANODE VENT PIPE, CAP BOTTOM 2" X 1/4" SLOTS OR TEE FITTING TO ALLOW PUMPING OF COKE BREEZE SLURRY 6" DIA X 1/4" THICK STEEL PLATE

NOTES:

1. FOR GROUNDBED AND CONDUIT TERMINATIONS SEE DETAIL.

(4)
(P7)

DEEP ANODE GROUNDBED

CPS SCHEDULE

CATHODIC PROTECTION SCHEDULE				
RECTIFIER OUTPUT				
DC VOLTAGE OUTPUT	35			
DC AMPERES OUTPUT	25			
DEEP ANODE GROUNDBED				
NUMBER OF ANODES	12			
ANODE TYPE	TA3 CHROMIUM HIGH SILICON TUBULAR ANODES, 63 LBS, 84" LONG, 2.66" DIAMETER EACH			
TOTAL GROUNDBED LENGTH	300'			
ACTIVE COLUMN LENGTH	115'			
LORESCO SC3 BACKFILL FOR ACTIVE COLUMN	115'			
BENTONITE FOR INACTIVE COLUMN	185'			
ANODE SPACING	8' ON CENTER (O.C.)			
VENT PIPE STYLE	ALL-VENT			
BELOW GRADE PVC SURFACE CASING LENGTH	100' MIN.			
WELL HOLE DIAMETER	8"			

}	DSGN	ESL						VERIFY SCALE
	DR	ZGS	2	2021-12-03	REV 1 - CATHODIC PROTECTION SCHEDULE UPDATE	ZGS	ESL	BAR IS ONE INCH ON ORIGINAL DRAWING.
	CHK	ESL	1	2021-11-12				0 1" IF NOT ONE INCH ON
	APVD	ESL	NO.	DATE	ISSUE/REVISION	BY	APVD	THIS SHEET, ADJUST SCALES ACCORDINGLY.

No. 5043798 ERIK SCOTT LLEWELLYN 11/12/2021 No. 5043798

11/12/2021

JVWCD JORDAN AQUEDUCT - REACH 3 (JA3) JA3 CATHODIC PROTECTION SYSTEM **DESIGN PROJECT**

	SHEET	6 OF 8
1	DWG	CP6
	DATE	2021-11-12
	CONTRACT	JVWCD-055