

Brigh Timber Lakes Wallsburg UTAH LOCATION MAP

NTS

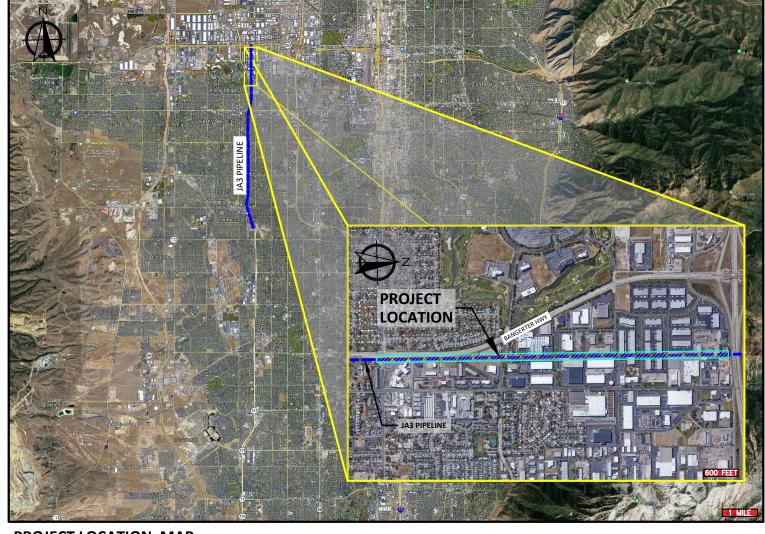
DEFESSION

PROJECT LOCATION

CONTACT INFORMATION

JORDAN VALLEY WATER CONSERVANCY DISTRICT PROJECT MANAGER JT CRACROFT PHONE: (801) 865-8189 EMAIL: JTC@JVWCD.ORG

PROJECT MANAGER CONOR TYSON PHONE: (385) 236-2510 EMAIL: CONORT@JVWCD.ORG PROJECT #4223 NOVEMBER 2021



PROJECT LOCATION MAP NTS

INFINITY CORROSION GROUP, INC.

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CORROSION ENGINEER/DRAFTER ZACHARY SHARON, P.E. EMAIL: ZSHARON@INFINITYCORROSION.COM

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REACH 3 (JA3)				SHEET	1 OF 8
		JA3 CATHODIC PROTECTION SYSTEM DESIGN PROJECT		DWG	CP1
				DATE	2021-11-12
				CONTRACT	JVWCD-055

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8	B LLEWELLYN Z	DSGN	ESL				1 '		VERIFY SCALE		
Ę	11/12/2021	DR	ZGS						BAR IS ONE INCH ON ORIGINAL DRAWING.	JVWCD	JA
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NOTES:

GENERAL

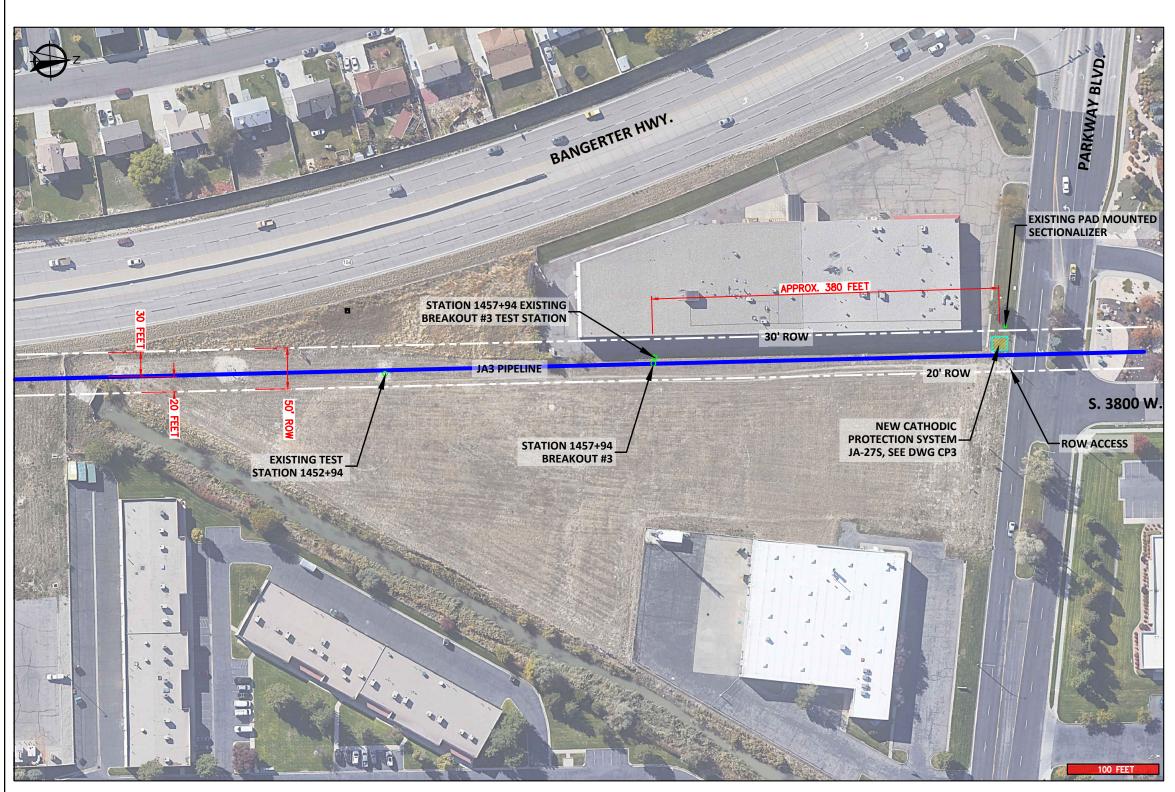
- 1. CONTRACTOR SHALL PROTECT EXISTING JVWCD EQUIPMENT AND COMPONENTS. DAMAGE WILL BE REPAIRED AT THE CONTRACTORS SOLE EXPENSE.
- CONTRACTOR SHALL NOT BLOCK ACCESS OR LIMIT THE USE OF ANY PROPERTY DURING 2 CONSTRUCTION
- CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING SITE TO PREWORK CONDITIONS.
- ALL WORK SHALL BE PERFORMED WITHIN DESIGNATED BOUNDARIES, CONTRACTOR 4. SHALL BE RESPONSIBLE FOR ANY DAMAGE CLAIMS TO ADJACENT PUBLIC OR PRIVATE PROPERTY
- ALL MATERIALS AND CONSTRUCTION SHALL CONFORM TO JVWCD ENGINEERING STANDARDS UNLESS OTHERWISE SPECIFIED.
- CONTRACTOR SHALL VERIFY THE EXTENT OF THE EASEMENT AND APPROVED WORK 6. AREA WITH JVWCD PERSONNEL PRIOR TO BEGINNING WORK
- SITE INCLUDES NEARBY EXISTING PAD MOUNTED ELECTRICAL SECTIONALIZER THAT IS TO BE UTILIZED FOR NEW CATHODIC PROTECTION SYSTEM POWER.
- ALL BURIED WIRE AND CABLE SHALL BE ROUTED INSIDE RIGID PVC CONDUIT 8
- CONTRACTOR TO LAY ROCK MULCH IN NEW CATHODIC PROTECTION AREA. SEE DWG CP8 FOR LANDSCAPING SITE PLAN.

CATHODIC PROTECTION SYSTEM

- SEE CPS SITE PLAN FOR GENERAL LOCATION OF CATHODIC PROTECTION SYSTEM COMPONENTS
- CATHODIC PROTECTION INSTALLATIONS SHALL BE ORIENTED AS SHOWN ON THE 2. DRAWINGS. MODIFICATION TO THE INSTALLATIONS SHALL BE APPROVED BY THE OWNER AND ENGINEER.
- CONTRACTOR SHALL USE JVWCD APPROVED EXCAVATION METHODS OR AS SPECIFIED, WHICH COULD INCLUDE VACUUM EXCAVATION, FOR UPPER 9 FEET OF DEEP WELL ANODE HOLES TO VERIFY NO UTILITIES ARE PRESENT BEFORE BEGINNING DRILLING OPERATIONS
- ALL EXCAVATED MATERIAL, CONSTRUCTION WATER, GROUNDWATER, ETC. SHALL BE 4. FULLY CONTAINED ON THE PROJECT SITE, WITHIN AREAS DESIGNATED BY JVWCD, AND SHALL NOT BE PERMITTED TO LEAVE THE WORK AREA OR FLOW OVER THE GROUND SURFACE. ANY SPILLAGE, EROSION OR LEAKAGE OF EXCAVATED MATERIALS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND THE SITE RESTORED TO PRE-CONSTRUCTION CONDITION. EXCAVATED MATERIAL THAT IS TEMPORARILY STOCKPILED ON SITE MAY REQUIRE WATERING OR PROTECTIVE COVERINGS TO PREVENT MATERIAL FROM BLOWING OR BEING WASHED OFF SITE.
- DEEP ANODE GROUNDBED TO BE DRILLED BY A UTAH LICENSED WATER WELL DRILLER IN 5 ACCORDANCE WITH THE STATE REGULATIONS FOR CATHODIC PROTECTION WELLS, EXCEPT WHERE A UTAH STATE APPROVED MODIFICATION IS SHOWN.
- DRILLING MUD WATER AND CUTTINGS SHALL BE FULLY CONTAINED ON THE PROJECT SITE AND SHALL NOT BE PERMITTED TO FLOW OVER THE GROUND SURFACE, ANY SPILLAGE OR LEAKAGE OF DRILLING MUD AND CUTTINGS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND THE SITE RESTORED TO ORIGINAL CONDITION.
- CONCRETE WORK SHALL BE OF THE HIGHEST QUALITY, FORMS SHALL BE SET LEVEL AND 7 SQUARE, CONCRETE FINISH SHALL BE TROWELLED SURFACE AND RADIUSED EDGES, ALL FORM WORK SHALL BE REMOVED FROM THE CONCRETE AFTER CURING IS COMPLETED.
- USE STANDPIPE CONFIGURATION FOR CATHODIC WELL INSTALLATION TO ENABLE COKE 8 BACKFILL TO BE PUMPED FROM THE BOTTOM OF THE HOLE UP. NO TOP LOADING OF COKE SHALL BE ALLOWED

ELECTRICAL SERVICES

- 1. BURY ALL UNDERGROUND PRIMARY SERVICE CONDUIT 36-INCHES MINIMUM, MARK VITH TRACEABLE WARNING TAPE
- 2. CONTRACTOR SHALL PROVIDE A LICENSED ELECTRICIAN TO INSTALL AND WIRE ALL ELECTRICAL SERVICES, WHERE REQUIRED BY ELECTRICAL CODE AND/OR JVWCD.
- CONTRACTOR SHALL OBTAIN ALL APPLICABLE PERMITS REQUIRED WITH THE LOCAL CITY OR COUNTY AGENCY FOR INSPECTION AND APPROVAL OF ELECTRICAL SERVICE INSTALLATION.
- CONTRACTOR SHALL PROVIDE THE MATERIALS AND EQUIPMENT TO SUPPLY POWER TO THE NEW CATHODIC PROTECTION RECTIFIER AS SPECIFIED, AS REQUIRED BY ELECTRICAL CODE, AND LOCAL POWER COMPANY REQUIREMENTS.



JORDAN AQUEDUCT - REACH 3 CATHODIC PROTECTION SYSTEM JA-27S SITE PLAN





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ΗK	ESL	1	2021-11-12	
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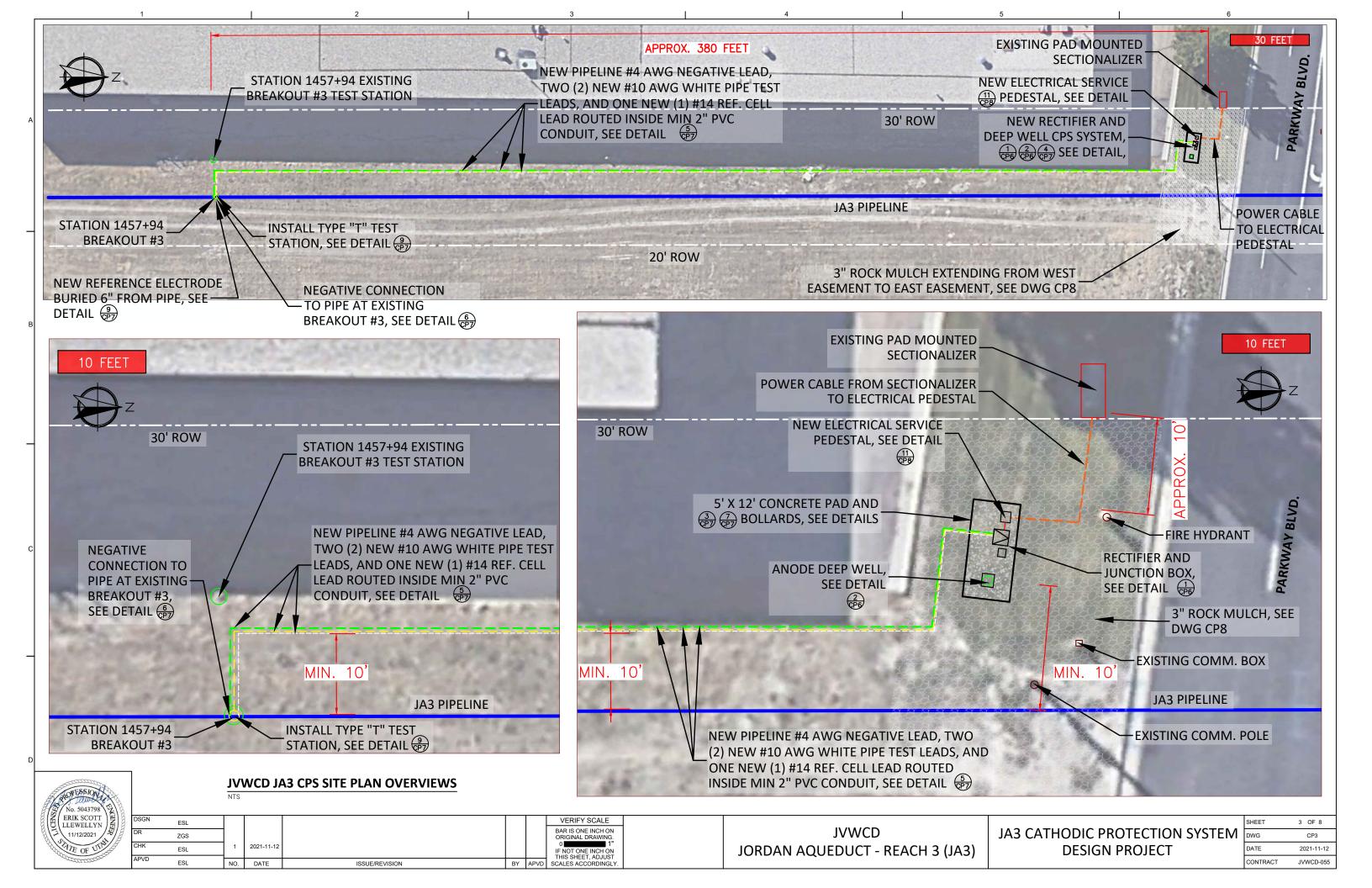
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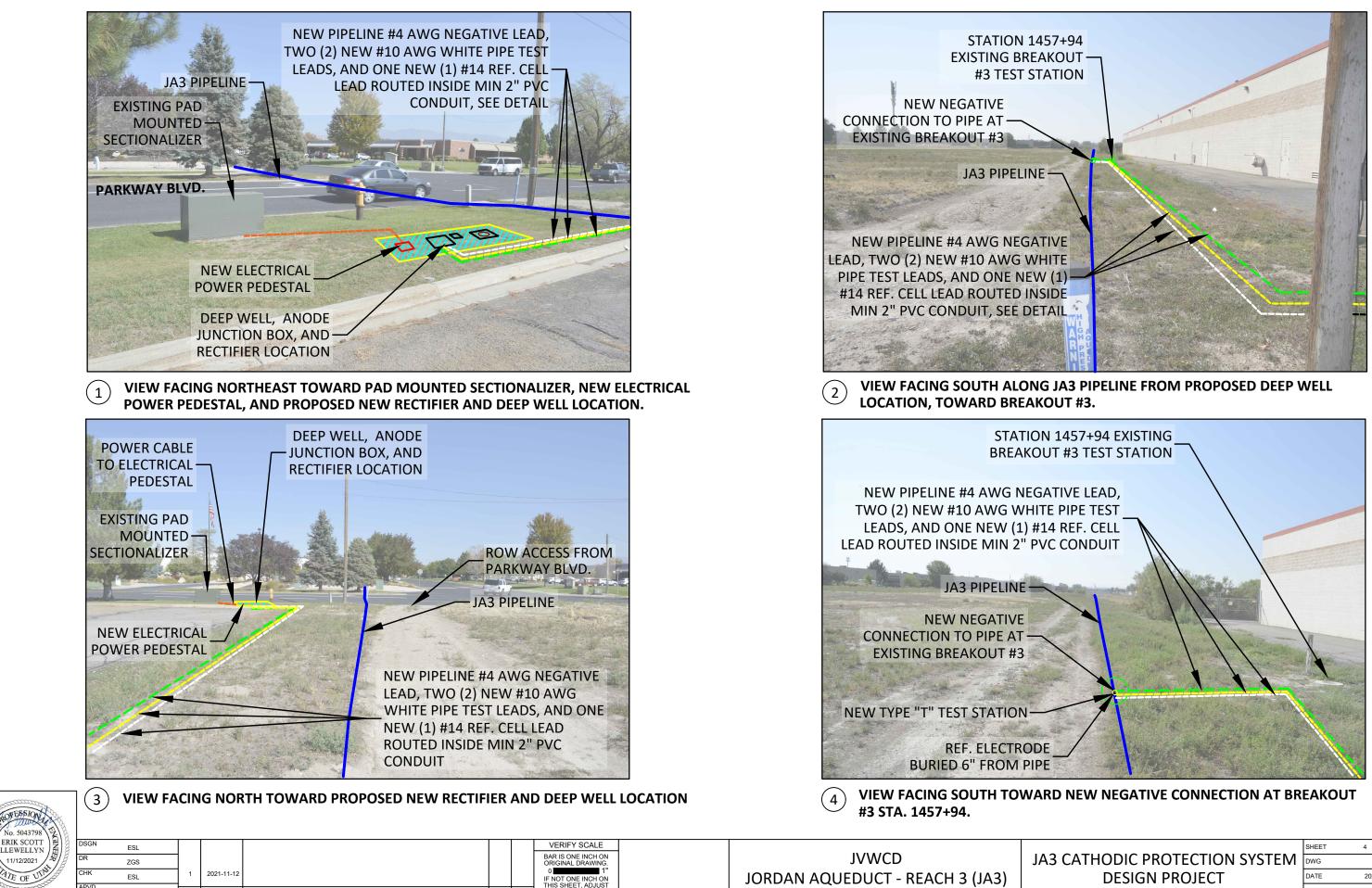
JVWCD JORDAN AQUEDUCT - REACH 3 (JA3)

JA3 CATHODIC PROTECTION SYSTEM
DESIGN PROJECT

SHEET	2 OF 8
DWG	CP2
DATE	2021-11-12
CONTRACT	JVWCD-055



JA3 CPS SITE PHOTOS



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DATE

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	SHEET	4 OF 8
A3 CATHODIC PROTECTION SYSTEM	DWG	CP4
DESIGN PROJECT	DATE	2021-11-12
	CONTRACT	JVWCD-055



$\underbrace{\text{JVWCD JA3 NEW TEST STATION AND TEST STATION POST INSTALLATION OVERVIEW}_{\text{NTS}}$

	JA3 TEST STATION INSTALLATION SCHEDULE									
LOCATION #	PIPE STATION	LATITUDE	LONGITUDE	STYLE	LOCATION/NOTES					
1	1437+36	40.70441	-111.97977	POST	VAULT AT AMERICAN PREP ACADEMY. TEST LEADS INSTALLED 202					
2	1451+03	40.70818	-111.97985	POST	TEST LEADS INSTALLED 2021					
3	1454+11	40.70902	-111.97983	POST	TEST LEADS INSTALLED 2021					
4	1463+55	40.71158	-111.97985	POST	VAULT AT DEPARTMENT OF HEALTH AND HUMAN SERVICES. TEST LEADS INS					
5	1466+83	40.71250	-111.97981	POST	USANA HEALTH BUILDING. TEST LEADS INSTALLED 2021					
6	1481+76	40.71843	-111.97991	POST	TEST LEADS INSTALLED 2021					
7	1513+34	40.72521	-111.97992	POST	AMES CONSTRUCTION. TEST LEADS INSTALLED 2021					
8	1457+94	40.71022	-111.97984	POST	NEW TYPE "T" TEST STATION TO BE INSTALLED NEAR BREAKOUT #3 STATION CPS SITE PLAN OVERVIEW, DWG CP3					

NOTES:

ISSUE/REVISION

1. NEW TEST LEADS INSTALLED IN 2021 AT LOCATION #'S 1-7 LISTED IN THE ABOVE TEST STATION SCHEDULE. INSTALL NEW TEST POST AT EACH LOCATION. SEE DETAIL.

2. NEW TYPE "T" TEST STATION TO BE INSTALLED AT LOCATION #8, STATION 1457+94, SEE DETAIL (9)

No. 5043798	
ERIK SCOTT	DSGN
8 7 11/12/2021 5	DR
STATE OF UTA	CHK
Campana	APVD

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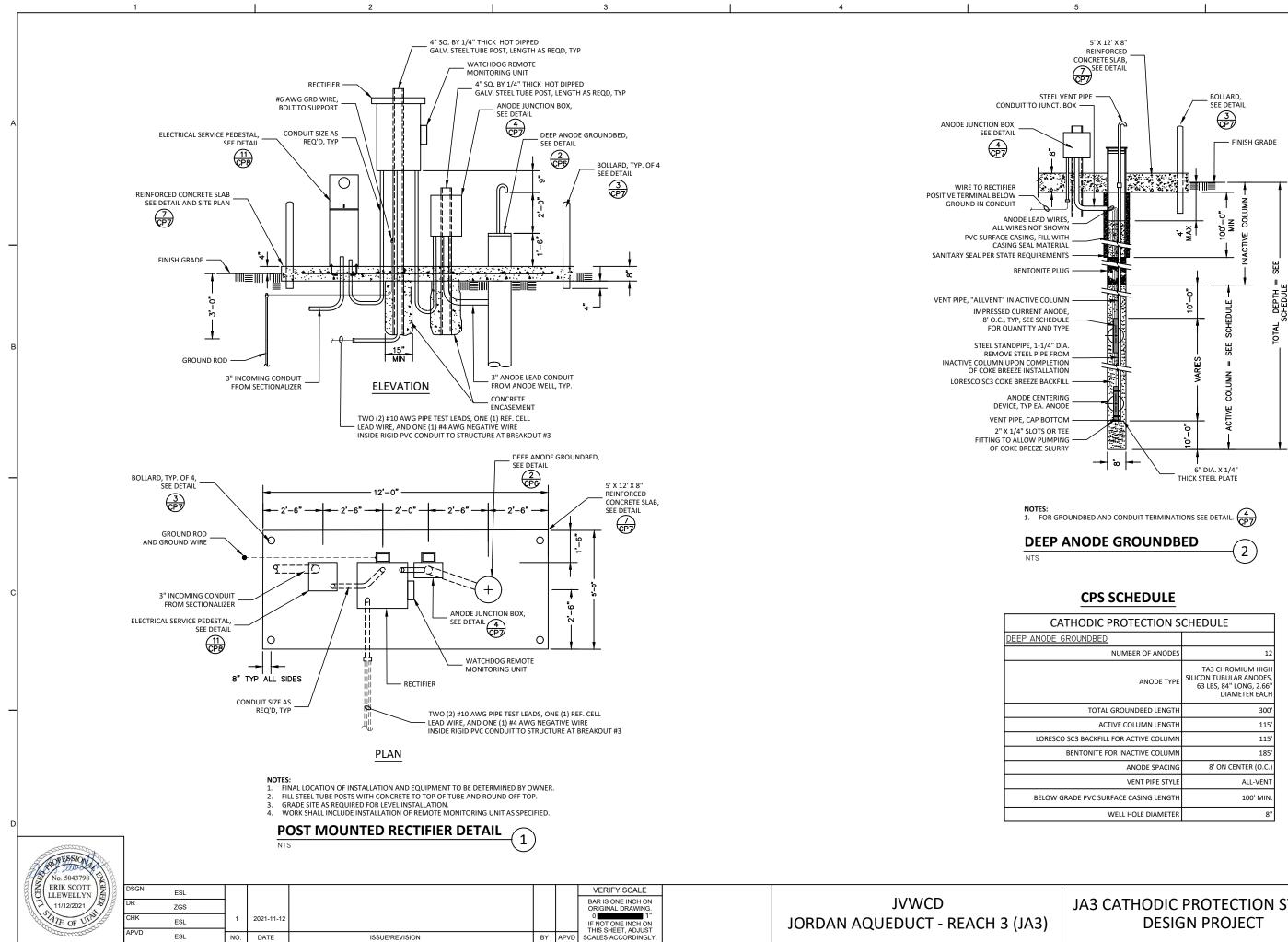
JVWCD	
JORDAN AQUEDUCT - REACH 3 (JA3)	

2021-11-12 DATE

		VERIFY SCALE
		BAR IS ONE INCH ON ORIGINAL DRAWING.
		0 1" IF NOT ONE INCH ON THIS SHEET, ADJUST
BY	APVD	SCALES ACCORDINGLY.

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JA3 CATHODIC PROTECTION SYSTEM	C
DESIGN PROJECT	C

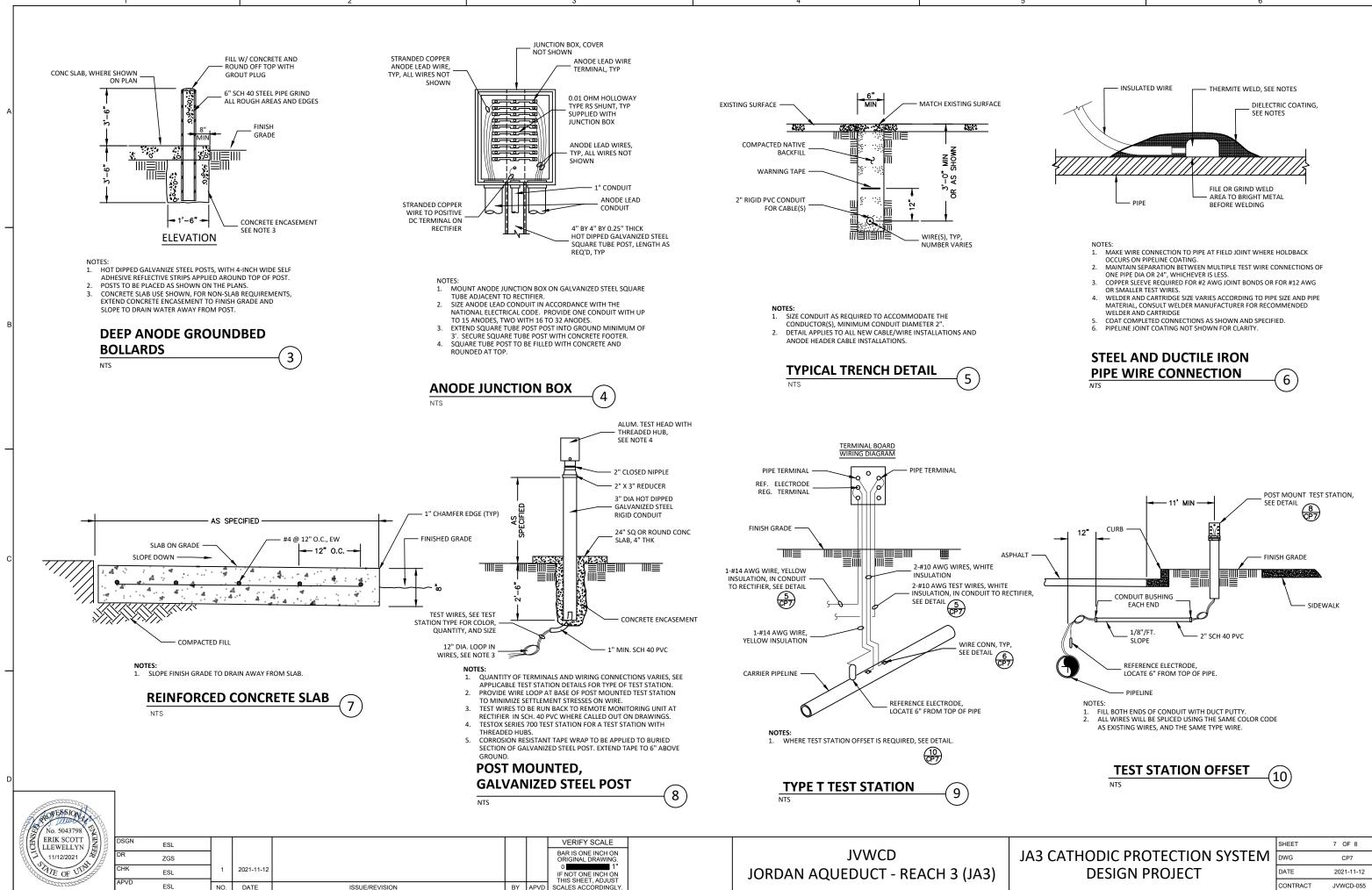
SHEET	5 OF 8
DWG	CP5
DATE	2021-11-12
CONTRACT	JVWCD-055



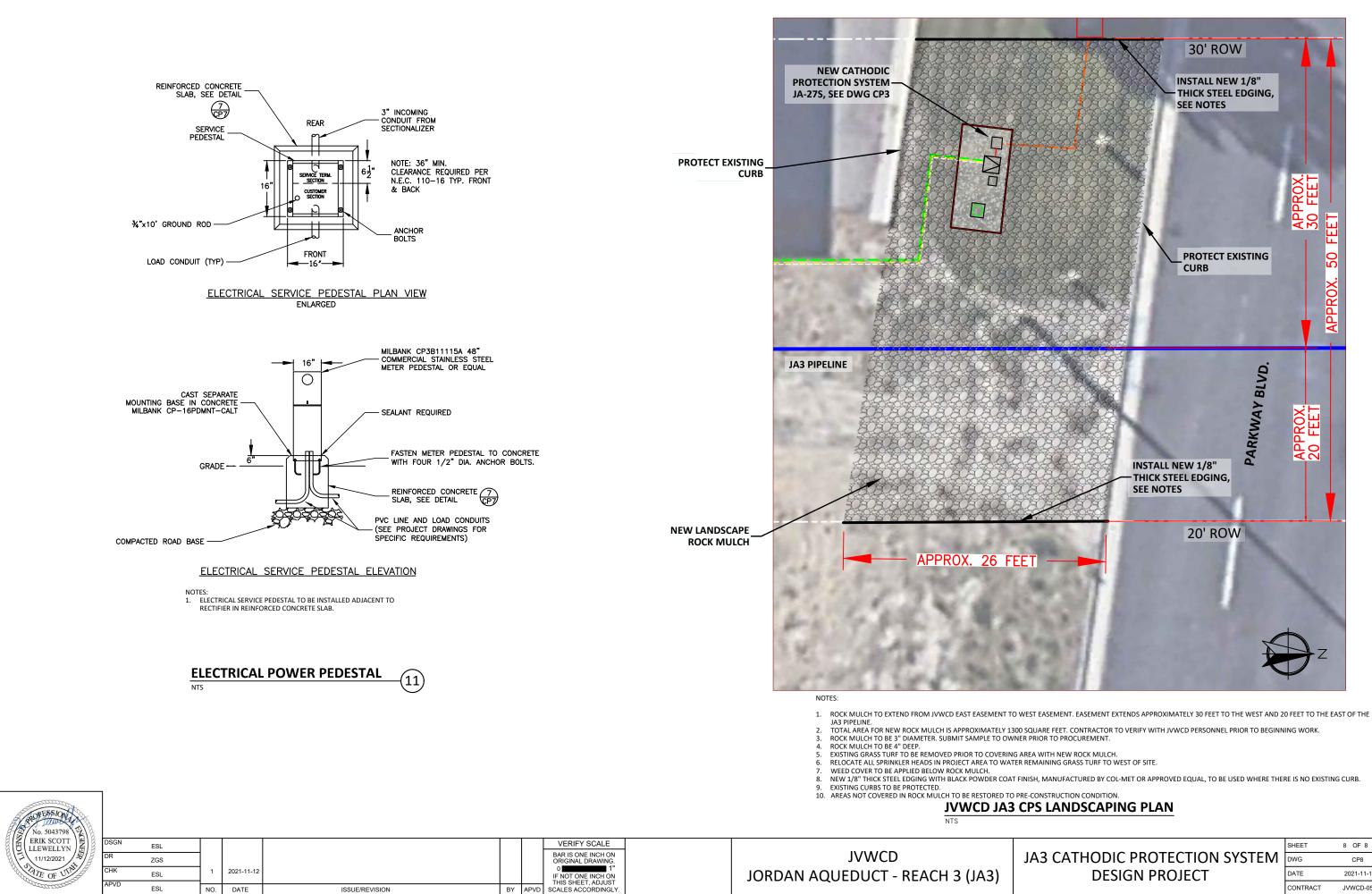
DDIC PROTECTION SCHEDULE		
NDBED		
NUMBER OF ANODES	12	
ANODE TYPE	TA3 CHROMIUM HIGH SILICON TUBULAR ANODES, 63 LBS, 84" LONG, 2.66" DIAMETER EACH	
TOTAL GROUNDBED LENGTH	300'	
ACTIVE COLUMN LENGTH	115'	
BACKFILL FOR ACTIVE COLUMN	115'	
ONITE FOR INACTIVE COLUMN	185'	
ANODE SPACING	8' ON CENTER (O.C.)	
VENT PIPE STYLE	ALL-VENT	
PVC SURFACE CASING LENGTH	100' MIN.	
WELL HOLE DIAMETER	8"	

JA3 CATHODIC PROTECTION SYSTEM

SHEET	6 OF 8
DWG	CP6
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SHEET	8 OF 8
DWG	CP8
DATE	2021-11-12
CONTRACT	JVWCD-055