

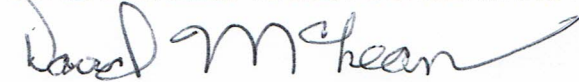
**ADDENDUM NO 3  
TO  
CONTRACT DOCUMENTS  
FOR  
JORDAN VALLEY WATER TREATMENT PLANT RECLAIM WATER AND SOLIDS  
HANDLING IMPROVEMENTS**

**[DISTRICT PROJECT NO.: 4072]**

**August 31, 2020**

This addendum is hereby attached to and made part of the Contract Documents. The addendum consists of 14 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.

JORDAN VALLEY WATER CONSERVANCY DISTRICT



David McLean, PE  
Senior Engineer

**BIDDER'S CERTIFICATE**

I acknowledge receipt of the foregoing Addendum No. 3 and accept all conditions contained therein.

Bidder: \_\_\_\_\_

By: \_\_\_\_\_  
Signature

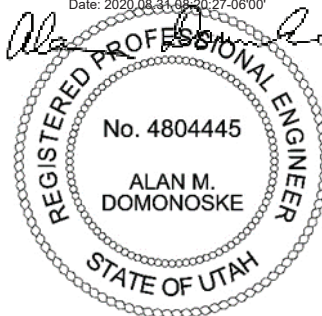
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**ADDENDUM NO 3  
TO  
CONTRACT DOCUMENTS  
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JORDAN VALLEY WATER TREATMENT PLANT RECLAIM WATER AND SOLIDS  
HANDLING IMPROVEMENTS**

**[DISTRICT PROJECT NO.: 4072]**

**August 31, 2020**

Digitally signed by Alan M. Domonoske  
Contact Info: Carollo Engineers, Inc.  
Date: 2020.08.31 08:20:27 -06'00'



I. CONTRACT DOCUMENTS VOLUME 1: BIDDING DOCUMENTS

A. Document NOTICE INVITING BIDS

1. Page A-4, RECEIPT OF BIDS, REPLACE the bid date "September 3, 2020", as changed in Addendum 1, to "September 10, 2020".

B. Document INSTRUCTIONS TO BIDDERS

1. Page B-1, BID APPURTENANCES, REMOVE the following text:  
  
", Proposed Subcontractors Form, Bid Preferences Form, Bid Certification for the Payment of State and Local Taxes Form, Bid Non-Collusion Affidavit, Bid Certification of Drug Free Workplace Environment Form, Bid Escrow Documents Form,"

C. Document 00410 BID SCHEDULE

1. REPLACE document in its entirety with the attached document.

D. Document INFORMATION REQUIRED OF BIDDER

1. NOTE: There are two E-3 pages within the INFORMATION REQUIRED OF BIDDER Document, Requirements and Attachment C Contractor and Electrical Subcontractor Project Experience Summary. Changes were made to both E-3 pages.
2. REPLACE both E-3 pages in their entirety with the attached documents.

II. CONTRACT DOCUMENTS VOLUME 2: TECHNICAL SPECIFICATIONS

A. Section 01140 WORK RESTRICTIONS

1. Page 2, Article 1.04.C.6.a Constraints for plant shutdown, REPLACE "2 weeks" with "3 weeks" in the sentence such that it reads, "One sludge return shutdown for a maximum of 3 weeks is allowed during this period."

B. Section 01355B STORMWATER POLLUTION PREVENTION

1. ADD attached section in its entirety.

III. CONTRACT DOCUMENTS VOLUME 3: TECHNICAL SPECIFICATIONS

A. Section 11312D VERTICAL TURBINE SHORT SETTING CENTRIFUGAL PUMPS

1. Page 5, Article 2.06.A.5 Pump Assembly, ADD paragraphs b and c to 2.05.A.5 as follows:  
  
"a. For bowl diameters 14 inches and under, precision tapered lock

collets connections are allowed.

- 1) Design coupling with a minimum safety factor or 1.5 times shaft safety factor.
- 2) Collet material shall match line shaft couplings.
- b. Provide any special tools required for removal and installation of pump impellers."

2. Page 6, Article 2.06.G, MODIFY the text in 2.06.G as follows:

"Design and fit with replaceable wear rings for both the bowl and impeller on each impeller bowl."

3. Page 6, Article 2.07.B.1 Open shaft, product lubricated, REPLACE paragraph b, "Shaft threaded connections are not allowed" with the following text:

- "b. For shaft diameters under 2 inches, threaded connections are allowed.
- 1) Design coupling with a minimum safety factor or 1.5 times shaft safety factor.
  - 2) Threaded couplings shall have left-hand threads to tighten during pump operation."

4. Page 9, Article 2.13.A Spare parts, REMOVE the following text from the list of spare parts, while keeping item 4 unmodified:

"1. Line shaft rubber bearings: 1 set for each type pump.

2. Line shaft bronze bearings: 1 set for each type pump.

3. Impeller and bowl wear rings: 1 set for each type of pump."

"5. Motor/gear thrust bearing set: 1 for each type of pump.

6. Motor radial bearing set: 1 for each size of motor (if specified).

7. Pump impeller/bowl assembly: 1 of each type supplied.

8. Line shaft: 1 length of each size and type."

5. Page 11, Article 3.02 PUMP SCHEDULE, MODIFY the following text in the row titled "Discharge Shaft Seal Type" to:

"Single Mechanical with External Flush."

6. Page 12, Article 3.02 PUMP SCHEDULE, MODIFY the following text in the row titled "Impeller Shaft Key" to:

"416 Stainless Steel."

B. Section 15278 STEEL PIPE

1. Page 7, Article 2.01.E, MODIFY heading from "Steel pipe, cement-mortar lined and tape wrapped with mortar over-coat" to:

"Steel pipe, cement-mortar lined and coated"

2. Page 7, Article 2.01.E.1.a, MODIFY paragraph a. from "Applicable standards: Cement-mortar lined and tape wrapped with mortar over steel pipe shall conform to the standards specified in General of this Section" to:

"Applicable standards: Cement-mortar lined and coated steel pipe shall conform to the standards specified in General of this Section".

IV. CONTRACT DOCUMENTS VOLUME 4: DRAWINGS

A. Drawing C01 CIVIL YARD PIPING PLAN 1

1. ADD General Note 1 as follow:

"SPOILS FROM PIPELINE EXCAVATION AND ASPHALT SMALLER THAN 2" CAN BE SPREAD NEAR ONSITE MONOFILL TO FINAL DEPTH OF 6". EXCAVATED MATERIAL SHOULD NOT BE PLACED IN ACTIVE MONOFILL. MONOFILL IS LOCATED APPROXIMATELY 0.25 MILES EAST OF THE RECLAIM PONDS WITHIN PLANT SITE."

2. ADD General Note 2 as follow:

"SLUDGE FROM RECLAIM PONDS AND PUMP STATION WET WELLS CAN BE DISPOSED OF AT ONSITE MONOFILL AS DESCRIBED IN SPECIFICATION 01140."

3. ADD a callout for Key Note 11 placed next to Key Note 7 in the existing east and west reclaim ponds.

4. ADD Key Note 11 as follows:

"CONTRACTOR HAS OPTION TO POUR THE RECLAIM PONDS MONOLITHICALLY (INCLUDING SIDE SLOPE AND RAMP) PER GENERAL NOTE 1 ON DRAWING C10 OR IN TWO SEPARATE POURS WITH CONSTRUCTION JOINT AND WATERSTOP AT THE TOE OF THE SLOPE. WATERSTOP SHALL BE EARTHSHIELD MODEL PVC211 BASE SEAL WATER OR APPROVED EQUAL. REBAR MUST BE CARRIED THROUGH JOINTS."

5. ADD a callout for Key Note 12 placed next to 14" BWR and 24" SL pipe tag callouts.

6. ADD Key Note 12 as follows:

"ALL EARTHEN AREAS DISTURBED DURING PIPELINE

INSTALLATION SHALL BE RESTORED TO ORIGINAL GRADE AND RESEEDED PER SPECIFICATION 02939."

B. Drawing C02 CIVIL YARD PIPING PLAN 2

1. ADD General Note 1 as follow:

"SPOILS FROM PIPELINE EXCAVATION AND ASPHALT SMALLER THAN 2" CAN BE SPREAD NEAR ONSITE MONOFILL TO FINAL DEPTH OF 6". EXCAVATED MATERIAL SHOULD NOT BE PLACED IN ACTIVE MONOFILL. MONOFILL IS LOCATED APPROXIMATELY 0.25 MILES EAST OF THE RECLAIM PONDS WITHIN PLANT SITE."

2. ADD a callout for Key Note 10 pointing to the three Sludge Lagoon Outlet Boxes.

3. ADD Key Note 10 as follows:

"EXISTING GATES LEAK. CONTRACTOR TO USE PIPE PLUG OR OTHER MEANS TO PREVENT LEAKAGE INTO CONTRACTOR WORK AREA."

4. ADD a callout for Key Note 11 placed next to 14" BWR and 24" SL pipe tag callouts.

5. ADD Key Note 11 as follows:

"ALL EARTHEN AREAS DISTURBED DURING PIPELINE INSTALLATION SHALL BE RESTORED TO ORIGINAL GRADE AND RESEEDED PER SPECIFICATION 02939."

C. Drawing C03 CIVIL PARTIAL PLAN

1. ADD a callout for Key Note 9 placed next to the EX 12" SL pipeline tag located near Recycle Pump Station #1.

2. ADD Key Note 9 as follows:

"CONTRACTOR TO EXPOSE EXISTING 12" SL TIE-IN PRIOR TO PIPE SUBMITTALS TO VERIFY PIPE MATERIAL AND CONNECTIONS SHOWN ARE APPROPRIATE FOR CONNECTION BETWEEN RECYCLE PUMP STA #1 AND 30" WW."

D. Drawing C10 CIVIL SECTIONS AND DETAILS, Section B

1. ADD text "HDPE SDR 17 (TYP)" that points to the elbow of the 14" BWR.

E. Drawing C11 CIVIL PAVEMENT PLAN (ADDENDUM 2)

1. REPLACE Key Note 11 callout next to area 18 tag, with Key Note 7 callout.

2. REPLACE Key Note 3 callout next to area 12 tag, with Key Note 4 callout.
3. SCHEDULE – PAVEMENT REPAIR AREAS table:
  - a) Area 12, under Description column, REPLACE “OVERLAY” with “ASPHALT REPLACEMENT”.
  - b) Area 20, under Quantity column, REPLACE “14,000” with “3,000”.
  - c) Area 20, under Description column, MODIFY “NEW SUBGRADE” to “NEW ABC”.
  - d) Second to last row, under Quantity column, REPLACE “3,107” with “116”.
  - e) Second to last row, under Description column, MODIFY “SUBGRADE REPAIR” to “SUPPLY AND INSTALL ABC FOR SUBGRADE REPAIR”.
  - f) Last row, under Quantity column, REPLACE “42” with “4,000”.
  - g) Last row, under Units column, REPLACE “CY” with “LF”.
  - h) Last row, under Description column, ADD “(3/4” WIDE BY 1” DEEP)” after “CRACK SEAL”.

F. Drawing 10M01 MECHANICAL EXISTING WASHWATER RECYCLE PUMP  
STA. NO. 1 MODIFICATIONS – PLANS AND DETAIL

1. ADD “316” before “STAINLESS STEEL” in General Note 2.

G. Drawing TP03 PIPING TYPICAL DETAILS 3

1. Replace drawing in its entirety with the attached drawing.





**BID SCHEDULE** <sup>AD3</sup>

**1.01 Lump Sum Bid Breakdown**

- A. Bidder will complete the Work in accordance with the Contract Documents for the following lump sum (stipulated) price(s), together with any Unit Prices:

Bid Item Number	Description	Price in Figures (\$)
1	Mobilization/General Conditions	\$
2	Contractor's Required QA/QC Testing	\$
3	Weir Vault	\$
4	Recycle Pump Station No. 1 Pump and Pipe Modifications	\$
5	Recycle Pump Station No. 2 VFD Replacement	\$
6	Reclaim Pond Modifications	\$
7	14-inch Backwash Return (BWR) Pipeline Installation	\$
8	Lagoon Sludge (SL) Return Pipeline/Manhole Removal and Installation	\$
9	Miscellaneous civil, electrical, and instrumentation work	\$
10	Commissioning	\$
11	Demobilization	\$
12	Allowance Items (Total) as described in Section 01210 - Allowances	\$65,000
	Subtotal Lump Sum Bid Price	\$
	Lump Sum Add or Deduct (Indicate Which):	\$
<b>TOTAL LUMP SUM BID AMOUNT:</b>		<b>\$</b>

**1.02 Unit Price Bids**

- A. Bidder will perform the following Work at the indicated unit prices:

Bid Item Number	Description	Estimated Quantity	Unit	Bid Unit Price	Bid Amount
1	Slurry Seal	15,375	SF		\$
2	Edge Mill and Overlay	34,886	SF		\$
3	Overlay	31,173	SF		\$
4	Asphalt Replacement	45,101	SF		\$
5	New Pavement	2,000	SF		\$
6	New ABC	3,000	SF		\$

Bid Item Number	Description	Estimated Quantity	Unit	Bid Unit Price	Bid Amount
7	Raise Manhole Lids	2	EA		\$
8	Parking Lot Striping	37	EA		\$
9	Supply and Install ABC for Subgrade Repair	116	CY		\$
10	Crack Seal	4,000	LF		\$
<b>TOTAL UNIT PRICE BID ITEMS:</b>					\$

B. Bidder acknowledges that:

1. each Bid Unit Price includes an amount considered by Bidder to be adequate to cover Contractor's overhead and profit for each separately identified item, and
2. estimated quantities are not guaranteed and are solely for the purpose of comparison of Bids, and final payment for all Unit Price Work will be based on actual quantities, determined as provided in the Contract Documents.

1.03 Total Bid Price (Lump Sum and Unit Prices)

A. Bidder will complete the Work in accordance with the Contract Documents for the Total Bid Price (Total of all Lump Sum and Unit Price Bids) of:

\$ \_\_\_\_\_  
(Price in figures)

\_\_\_\_\_  
(Price in words)

END OF DOCUMENT

AD3 Addendum No. 3

JORDAN VALLEY WATER CONSERVANCY DISTRICT

Requirements:

Contractor shall have successfully completed at least three (3) similar projects which jointly include the following:

- Site civil improvements
- Concrete structures
- HDPE pipe installation equal to or larger than 12"
- Piping (any material) larger than 18"
- Pump station construction/modifications more than \$200,000
- Electrical work more than \$200,000
- One project must have been completed at a Water/Wastewater plant
- One project must have a final contract amount more than \$1,000,000

1.

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2.

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3.

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Electrical subcontractor shall have successfully completed at least one (1) project with the following elements:

- 480-volt wiring
- Installation of 480-volt VFDs
- Instrumentation and controls wiring

1.

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JORDAN VALLEY WATER CONSERVANCY DISTRICT

ATTACHMENT C

Contractor and Electrical Subcontractor Project Experience Summary

Name: \_\_\_\_\_

Years experienced as Superintendent: \_\_\_\_\_

Years of prior experience: \_\_\_\_\_ Positions: \_\_\_\_\_

Qualifying Project #1: \_\_\_\_\_

Project Summary: \_\_\_\_\_

Year Completed: \_\_\_\_\_

Total Cost: \_\_\_\_\_

Owner: \_\_\_\_\_

Owner Contact Person: \_\_\_\_\_ Telephone: \_\_\_\_\_

Qualifying Project #2: \_\_\_\_\_

Project Summary: \_\_\_\_\_

Year Completed: \_\_\_\_\_

Total Cost: \_\_\_\_\_

Owner: \_\_\_\_\_

Owner Contact Person: \_\_\_\_\_ Telephone: \_\_\_\_\_

Qualifying Project #3: \_\_\_\_\_

Project Summary: \_\_\_\_\_

Year Completed: \_\_\_\_\_

Total Cost: \_\_\_\_\_

Owner: \_\_\_\_\_

Owner Contact Person: \_\_\_\_\_ Telephone: \_\_\_\_\_

Electrical Subcontractor qualifying Project #1: \_\_\_\_\_

Project Summary: \_\_\_\_\_

Year Completed: \_\_\_\_\_

Total Cost: \_\_\_\_\_

Owner: \_\_\_\_\_

Owner Contact Person: \_\_\_\_\_ Telephone: \_\_\_\_\_

**SECTION 01355B** <sup>AD3</sup>

**STORMWATER POLLUTION PREVENTION**

**PART 1 GENERAL**

**1.01 SUMMARY**

- A. Section includes:
  - 1. Requirements for preparation and implementation of the Stormwater Pollution Prevention Plan (SWPPP) for the Contractor's construction activities for the purposes of applying and obtaining a State of Utah Storm Water General Permit for Construction Activities (Permit). This Permit authorizes storm water discharges to waters of the State of Utah resulting from construction activities, including construction support activities, anywhere within the State of Utah. Contractor shall also be responsible for applying for and obtaining any local SWPPP permits that may be required.

**1.02 REFERENCES**

- A. National Pollutant Discharge Elimination System (NPDES).
- B. State of Utah Department of Environmental Quality, Division of Water Quality.
- C. United States Code of Federal Regulation (CFR):
  - 1. Title 40 - Environmental Protection Agency:
    - a. Part 117 - Determination of reportable quantities for hazardous substance.
    - b. Part 302 - Designation, reportable quantities, and notification.

**1.03 SUBMITTALS**

- A. Stormwater Pollution Prevention Plan:
  - 1. Prepare and submit a Stormwater Pollution Prevention Plan (SWPPP) in accordance with Part IV of the General Permit for Discharge from Construction Activities to the Owner for reference.
  - 2. The SWPPP must detail which measures will be used for (1) Stormwater Controls; (2) Erosion and Sedimentation Controls; (3) Good Housekeeping; (4) Stabilization Practices; and (5) Structural Practices.
  - 3. Submit to the Owner for reference, a plan detailing the placement of physical controls, such as Best Management Practices (BMPs), required for installation and the methods used to comply with those controls.
  - 4. The plan shall specifically address and detail the Contractor's preferred techniques and shall show how they will comply with the stated objectives of the General Permit.
- B. The entire plan shall be kept and maintained by the Contractor on the construction site during the duration of the project.
- C. The Contractor shall be responsible for taking the proper actions to prevent contaminants and sediments from entering the storm sewer drainage system should any unforeseen circumstance occur. The Contractor shall take immediate action if

directed by the Engineer, or if the Contractor observes contaminants and/or sediments entering the storm drainage system, to prevent further stormwater from entering the system.

#### **1.04 REGULATORY REQUIREMENTS**

- A. The Contractor shall comply with the State of Utah Department of Environmental Quality, Division of Water Quality, county, city, and other local agency requirements regarding stormwater discharges and management.
- B. The Contractor shall not begin any construction work until the Contractor has secured the permit.
- C. The Contractor shall comply with the following prohibitions and limitations, which are contained in the Stormwater Permit.
  - 1. Discharge prohibitions:
    - a. Discharges of materials other than stormwater, which are not otherwise regulated by a NPDES permit, to a separate stormwater sewer system or water of the nation are prohibited.
    - b. Stormwater discharges shall not cause or threaten to cause pollution, contamination (including sediment), or nuisance.
    - c. Stormwater discharges regulated by this general permit shall not contain a hazardous substance equal to or in excess of a reportable quantity listed in 40 CFR Part 117 and 40 CFR Part 302.
  - 2. Receiving water limitations:
    - a. Stormwater discharges to any surface or groundwater shall not adversely impact human health or the environment.
    - b. Stormwater discharge shall not cause or contribute to a violation of any applicable water quality standards contained in the California Ocean Plan, Inland Surface Waters and Enclosed Bays and Estuaries Plan, or the applicable Regional Water Board's Basin Plan.
- D. Requirements.
  - 1. In order to comply with the permit mandates, a national model has been prepared for use by those preparing a storm water pollution prevention plan. It is recommended that the Contractor use the model template or review the elements of the template to ensure that the plan is prepared in compliance with the State permit.
  - 2. BMPs are measures or practices used to reduce the amount of pollution entering surface water. BMPs may take the form of a process, activity, or physical structure. Some BMPs are simple and can be put into place immediately, while others are more complicated and require extensive planning or space. They may be inexpensive or costly to implement. No additional compensation shall be made for implementation of BMPs.

#### **1.05 STORMWATER POLLUTION PREVENTION PLAN IMPLEMENTATION**

- A. The Contractor shall implement all activities required by the General Permit and as detailed in the Stormwater Pollution Prevention Plan.

## **1.06 NON-STORMWATER MANAGEMENT**

- A. The Stormwater Pollution Prevention Plan shall discuss any non-storm water sources (i.e., lake water, landscaping irrigation, pipe flushing, street washing, and dewatering). In addition, the Plan shall include standard observation measures and best management practices, including best available technologies economically achievable, and best conventional pollutant control technologies that are to be implemented in order to reduce the pollutant loading to the waters.

## **1.07 AMENDMENTS**

- A. The Contractor shall amend the Stormwater Pollution Prevention Plan whenever there is a change in construction or operations which may affect the discharge of pollutants to stormwater.
- B. The Stormwater Pollution Prevention Plan shall also be amended if it is in violation of any conditions of the general permit or has not achieved the general objective of reducing pollutants in stormwater discharges.
- C. All amendments shall be completed at no additional cost to the Owner.

## **1.08 ANNUAL SUMMARY**

- A. The Contractor shall submit any annual summary reports that may be required for the Permit.

## **1.09 NOTICE OF TERMINATION**

- A. The Contractor shall any termination or completion notices that may be required by the Permit.

## **PART 2 PRODUCTS**

Not Used.

## **PART 3 EXECUTION**

Not Used.

END OF SECTION

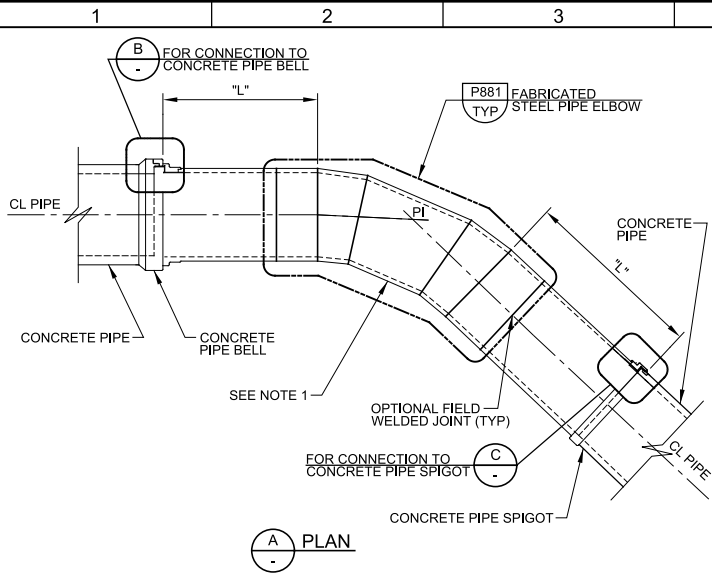
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<sup>AD3</sup> Addendum No. 3



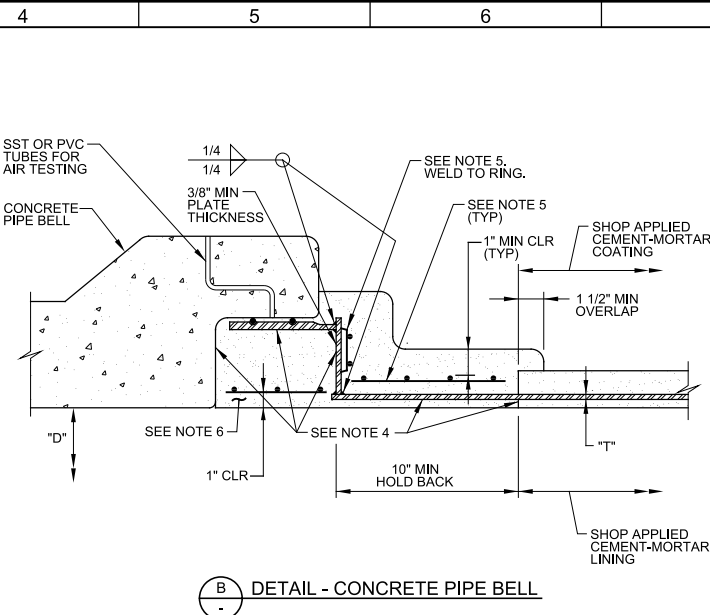


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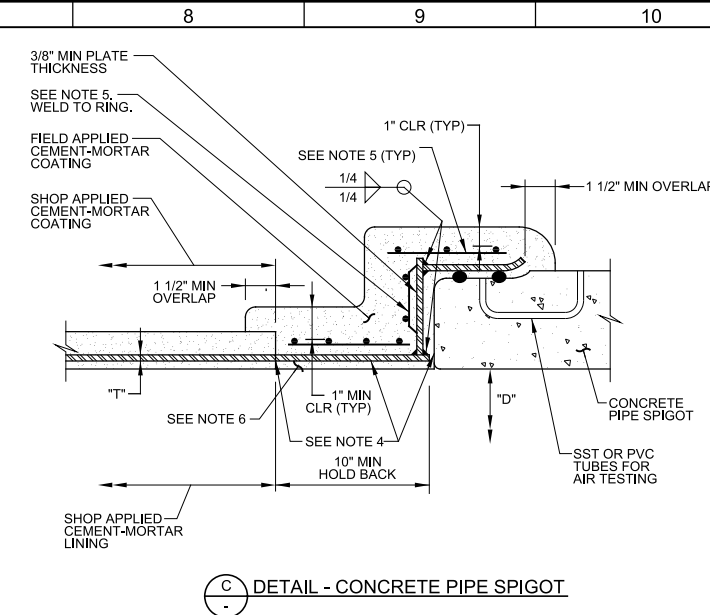


- NOTES:**
- MORTAR COATING ON STEEL PIPE NOT SHOWN FOR CLARITY.
  - END CONNECTIONS ON STEEL ELBOW SHALL MATCH BELL OR SPIGOT USED ON CONNECTING ENDS OF CONCRETE PIPE.
  - "L" = GREATER OF LENGTH INDICATED ON THE DRAWINGS AND LENGTH REQUIRED FOR CONCRETE PIPE JOINT LAYOUT. 12" MIN LENGTH.
  - COAT STEEL CYLINDER, END OF SHOP APPLIED CEMENT-MORTAR LINING AND END OF RCP PIPE WITH EPOXY BONDING AGENT BEFORE APPLYING FIELD APPLIED CEMENT-MORTAR LINING.
  - 2x4-W0.5 GALVANIZED AND CRIMPED, WELDED WIRE FABRIC. THE WIRES ON THE 2" SPACING SHALL EXTEND CIRCUMFERENTIALLY AROUND THE PIPE. LAP SPICE MINIMUM OF ONE MESH OR WELD TOGETHER. TACK WELD TO STEEL CYLINDER AT MINIMUM OF 2 POINTS.
  - FIELD APPLIED CEMENT-MORTAR LINING. FINISH FIELD APPLIED CEMENT-MORTAR LINING SMOOTH AND FLUSH WITH SHOP APPLIED CEMENT-MORTAR LINING.

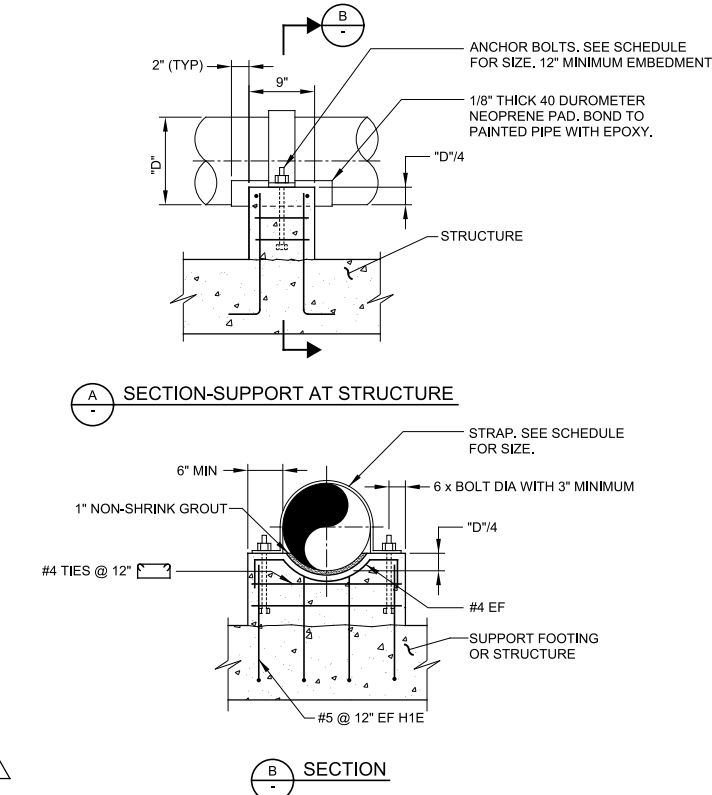
**P883** FABRICATED MORTAR LINED AND MORTAR COATED STEEL PIPE ELBOW TO CONCRETE PIPE  
TYP  
SHEET 1 OF 3 02/24/14



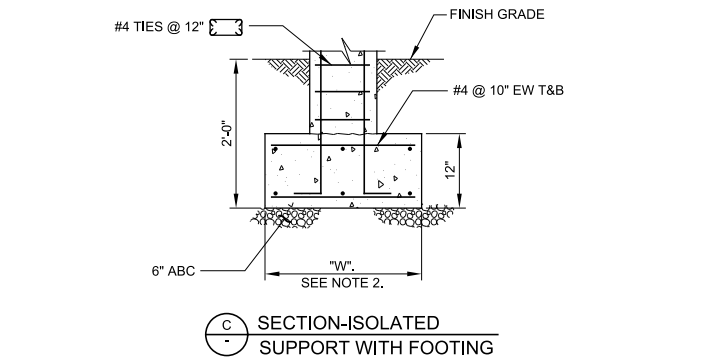
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TYP  
SHEET 2 OF 3 02/24/14



**P883** FABRICATED MORTAR LINED AND MORTAR COATED STEEL PIPE ELBOW TO CONCRETE PIPE  
TYP  
SHEET 3 OF 3 01/22/14



**P602** CONCRETE PIPE SUPPORT  
TYP  
SHEET 1 OF 2 07/19/16



SCHEDULE		
PIPE SIZE	STRAP SIZE	ANCHOR BOLT DIA
8" - 12"	FB 1/4" x 4"	1/2"
14" - 24"	FB 5/16" x 4"	5/8"
26" - 36"	FB 3/8" x 4"	3/4"

- NOTES:**
- IF SUPPORT IS SUBMERGED OR LOCATED BELOW THE TOP OF WALL IN WATER BEARING STRUCTURE, MATERIAL FOR ANCHOR BOLTS AND STRAP SHALL BE STAINLESS STEEL. IN ALL OTHER AREAS, THE MATERIAL FOR ANCHOR BOLTS AND STRAP SHALL BE HOT-DIP GALVANIZED STEEL UNLESS OTHERWISE INDICATED ON THE DRAWINGS.
  - THE WIDTH OF THE FOOTING "W" = 2'-6". THE LENGTH OF THE FOOTING = "D" + 2'-0".

**P602** CONCRETE PIPE SUPPORT  
TYP  
SHEET 2 OF 2 11/30/08

REV	DATE	PAC	BY	DESCRIPTION
1	8-28-20	PAC	BY	ADDENDUM NO. 3

DESIGNED SSB
DRAWN TSD
CHECKED PAC
DATE AUGUST 2020

\*\* ORIGINAL SEALED BY PATRICK A. CARLSON 6-17-2020 UT 4939129-2202 \*\*



JORDAN VALLEY WATER TREATMENT PLANT  
RECLAIM WATER AND SOLIDS HANDLING IMPROVEMENTS  
TYPICAL DETAILS  
PIPING TYPICAL DETAILS 3

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

JOB NO. 10851A.10  
DRAWING NO. TP03  
SHEET NO. 66 OF 70

