

BID PROPOSAL

Biditem	Description	Quantity	Units	Unit Price	Bid Total
PCO2-1	Replace all Beam Bolts				16,200.00
PCO2-2	Perform Beam Repairs				62,600.00
PCO2-3	Install 18 new Columns				98,550.00
PCO2-4	Coat New Columns				13,806.00
PCO2-5	Caulk Column Holes				6,450.00
PCO2-6	Coat all Anchors				5,150.00
	Bid Total				\$202,756.00

QUOTATION REQUEST

DIGESTER 2 COVER REHABILITATION PROJECT

Contract Number: I100103-2721 / PWP No. WA-2019-112

Date: 8/15/2019

Jeff Farr
Resource Development Co.
1050 Linda Way
Sparks, NV 89431

Quotation Request No. 1

Title: Structural Steel Repairs

Reason for Change:

Steel columns and beams within the Digester have deteriorated due to corrosion and need to be repaired.

This Quotation Request is issued to request that Resource Development Co. provide any additional costs and credits necessary to prepare a Change Order based on the following:

1. Replace all beam bolts with A307 bolts to match the existing bolts size and length throughout the Digester cover.
2. Perform Beam Repairs as marked in chalk in the field. Top chord repairs were marked on the beam web on the side to be repaired. Bottom flange repairs were marked on the bottom of the beam. Perform repairs as indicated in drawing SK-1.
3. Install 18 new columns to match the existing columns. The new columns shall be installed on the existing empty corbels. A drawing of the existing columns, detail A in drawing 30-S-B, is included for reference from the structural engineer. Columns shall match the existing columns, except the existing corbels shall not be drilled into. Delete the anchors in the base of the column. Install grout between the column base and corbel. Scan the concrete wall to locate existing rebar prior to drilling into the existing concrete wall. Rebar shall not be cut to install concrete anchors. Each column has 6 horizontal concrete anchors.
4. New columns shall be coated with System 1, 100% solids elastomeric polyurethane, or System 2, epoxy per specification 09800. If system 1 is chosen it should be applied prior to installing the columns.
5. Existing column holes due to corrosion shall be caulked, coated with system 2 in specification 09800, and remain in place.
6. Coat all anchors after installation.

Please review enclosed attachments, details and or applicable plans and specifications with respect to this request for any changes in work or contract amount.

Please note all requests for lump sum prices must be itemized with units of labor, quantities of materials, overhead and profit clearly identified. Attach subcontractor or supplier information and quotations as applicable. Please respond to this request by August 20th, 2019.

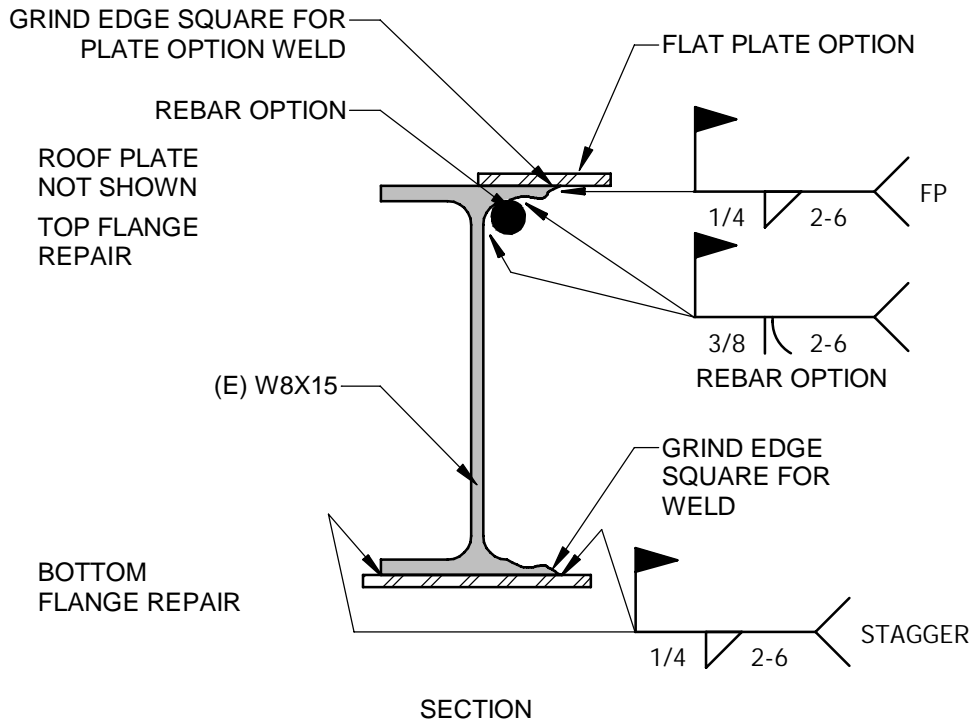
This request is not a notice to proceed with the indicated work. If additional information is required or you have any questions regarding this request, please contact Ryan Owens.

Regards,

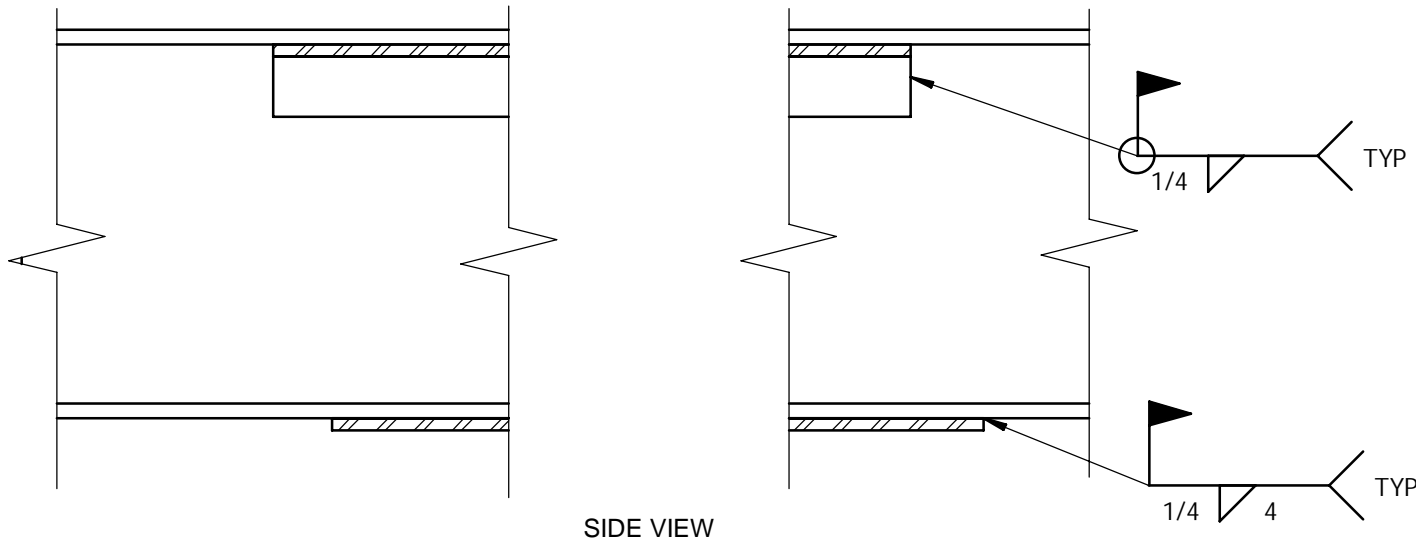
Ryan Owens
ROwens@brwncald.com
775-525-4514

QUOTATION REQUEST
DIGESTER 2 COVER REHABILITATION PROJECT

cc: Roy Johnson, Steve Gamilis, George Ghusn



- NOTES:
1. ALL WELDS E70XX ELECTRODES.
 2. ALL WELDING PER AWS.
 3. ALL BARS AND PLATES: ASTM A 36.
 4. BOTTOM FLANGE REPAIR PLATES: 1/4" X 4-3/4" MIN. DETERMINE LENGTH FROM FIELD MARKS ON BOTTOM OF BEAM.
 5. TOP FLANGE REPAIR: #6 ASTM A706 REBAR OR 1/4" X 3" PLATE SEE DETAIL. DETERMINE LENGTH FROM FIELD MARKS ON BEAM WEB.
 6. BEAMS ARE CURVED - BENT PLATE MAY REQUIRE CURVE FOR INSTALL.
 7. GRIND EDGES SQUARE VERTICALLY TO ACCOMMODATE FILLET WELD.
 8. TOP FLANGE WELD MAY REQUIRE PP FILLER WELD DUE TO THE TAPER OF THE CORROSION.
 9. AT THE END OF EACH REPAIR PLATE, WELD ENTIRE EDGE TO BEAM USING 1/4" FILLET WELD.
 10. ALL PLATES TO BE CONTINUOUS FULL LENGTH BETWEEN FIELD MARKS. SPLICES REQUIRE COMPLETE PENETRATION WELDS.



1 STEEL BEAM REPAIRS
SCALE: 3" = 1'-0"

SK-1

SHEET NO.:

REFERENCE DETAIL: REV A

REVISION: REV A

SCALE: AS NOTED

SHEET NAME: BEAM REPAIRS

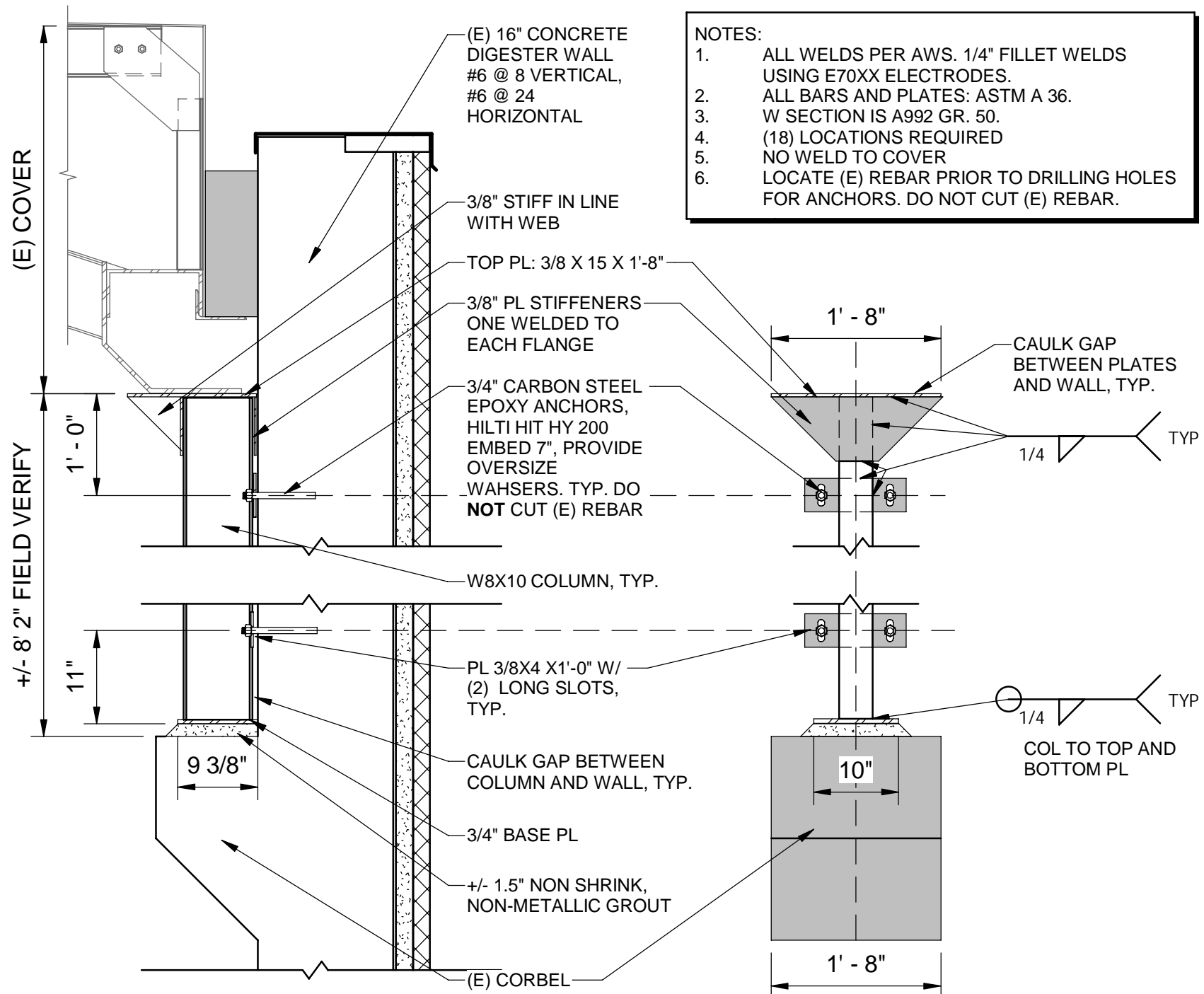
PROJECT: TMWRF DIGESTER 2 COVER REHABILITATION

PROJECT NUMBER: 151884

DATE: 08/22/19

BJG
ARCHITECTURE & ENGINEERING

449 S. Virginia St. Reno, NV 89501
775-827-1010 BJGINC.COM



NOTES:

1. ALL WELDS PER AWS. 1/4" FILLET WELDS USING E70XX ELECTRODES.
2. ALL BARS AND PLATES: ASTM A 36.
3. W SECTION IS A992 GR. 50.
4. (18) LOCATIONS REQUIRED
5. NO WELD TO COVER
6. LOCATE (E) REBAR PRIOR TO DRILLING HOLES FOR ANCHORS. DO NOT CUT (E) REBAR.

1

COLUMN REPLACEMENT

SCALE: 3/4" = 1'-0"

SK-2

SHEET NO.:

REFERENCE DETAIL:

REVISION:

SCALE: AS NOTED

COLUMN REPLACEMENT

PROJECT: TMWRF DIGESTER 2 COVER REHABILITATION

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