CAPITAL PROGRAM SERVICES
5750 ALMADEN EXPRESSWAY
SAN JOSE, CA 95118-3686
TELEPHONE (408) 630-3088
FACSIMILE (408) 979-5631
www.valleywater.org
scvwdplanroom@valleywater.org

Notification of this Addendum is transmitted via email to all current plan holders.
This Addendum is posted on the District website at
https://www.valleywater.org/Construction

Thursday, May 30, 2019

ADDENDUM NO. 1
TO CONTRACT DOCUMENTS FOR THE
CROSS VALLEY AND CALERO PIPELINES INSPECTION AND REHABILITATION PROJECT
Project No. 95084002 Contract No. C0650

Notice is hereby given to Prospective Bidders that the Contract Documents are modified as hereinafter set forth.

BID DOCUMENTS

NOTICE TO BIDDERS

Paragraph 8. Pre-Bid Conference and Site Showing.

REPLACE the first sentence of Paragraph 8. with:

"8. **A pre-bid conference/site visit will be conducted by the District on Wednesday, June 5, 2019 at 10:00AM.**"

SPECIFICATIONS AND CONTRACT DOCUMENTS

TABLE OF CONTENTS

SECTION 36. SPECIAL CONSTRUCTION AND STRUCTURES

ADD new section article:

"Article 36.13 Mechanically Attached Thermoplastic Polyolefin (TPO) Roofing System"

SPECIAL PROVISIONS

SECTION 12. WORK AND CONTRACT TIME(S)

REPLACE Article 12.03.A.7. with:

"7. The Contractor shall complete Milestone 7 – Shutdown Required Work to Replace and Install Calero Modulating Vault (CMV) Valves **and the Anderson Force Main (AFM) valve** before the expiration of 38 Days from the first day that the raw water transmission system is taken out of service. See Article 12.03.E for the Milestone 7 scope of work."

REPLACE Article 12.03.E.7. with:

"7. The scope of work to be completed under Milestone 7- Shutdown Required Work to Replace and Install Calero Modulating Vault (CMV) Valves and the Anderson Force Main (AFM) valve includes:"

REPLACE Article 12.03.E.7.a. with:

"a. All shutdown required work related to replacing all valves at the **CMV and the 42-inch AFM line valve** as shown on the Drawings."

REPLACE Article 12.03.E.7.a.(5) with:

"(5) Once milestone 7 is complete, the District plans on locking out CMV as part of the lock out tag out plan in order to provide double isolation and to allow the District to unlock one of the valves along Almaden Valley Pipeline to allow flow from Calero Reservoir to the Santa Teresa Treatment Plant. **Once the AFM line valve is installed by the Contractor, the District will lock out the AFM line valve to provide double isolation on that section."**

ADD Article 12.03.E.7.a.(6) as follows:

"(6) The Contractor is informed that only single isolation along Anderson Force Main will be provided as part of the lock-out tag-out plan for pipeline dewatering. The Contractor can provide other forms of isolation that comply with CALOSHA regulations and is acceptable to the contractor's policies and procedures. The Contractor shall participate and coordinate with the District in planning the dewatering work. Refer to Article 23.07 – Pipeline Dewatering."

REPLACE Article 12.03.E.11.a.(7) with:

"(7) Furnish and install new **Mechanically Attached Reinforced Thermoplastic Polyolefin (TPO) Roofing System** on CMV and BAV. The Contractor shall refer to Article 36.11 and 36.13 for furnishing and installing the new roofs."

REPLACE Article 12.05.A.7. with:

"7. $7,500 per Day for failure to complete all Work of Milestone 7 – Shutdown Required Work to Replace and Install Calero Modulating Vault (CMV) Valves **and the Anderson Force Main (AFM) valve** within the time limit allowed."

Table 12.03-1. Estimated Schedule of Work (On Page 12-19)

REPLACE Description of Milestone 7 with:

Milestone 7 – Shutdown Required Work to Replace and Install Calero Modulating Vault (CMV) Valves and the Anderson Force Main (AFM) valve."

SECTION 21. Payment Procedures

REPLACE Articles 21.01.02.I.3. through 21.01.02.I.109. in their entirety with (ATTACHMENT NO. 1)

TECHNICAL PROVISIONS

ARTICLE 32.01. GENERAL PIPING REQUIREMENTS

PART 1. GENERAL

ARTICLE 1.07. QUALIFICATIONS/QUALITY CONTROL

ADD Article 1.07.D as follows

"D. The Contractor shall submit to the Engineer welding procedures specifications prior to any welding. The Contractor shall refer to Article 20.03. for additional testing certifications for weld inspection and testing."

ADD new ARTICLE 36.13 MECHANICALLY ATTACHED THERMOPLASTIC POLYOLEFIN (TPO) ROOFING SYSTEM (ATTACHMENT NO.2)

THIS ADDENDUM NO. 1, WHICH CONTAINS 3 PAGES AND 2 ATTACHMENTS, IS ATTACHED TO AND IS A PART OF THE SPECIFICATIONS AND CONTRACT DOCUMENTS FOR THIS PROJECT.

Katherine Oven

Date: 5/30/2019

Katherine Oven, P.E.
Deputy Operating Officer
Water Utility Capital Division

Attachments:

ATTACHMENT NO.1 - Articles 21.01.02.I.3. through 21.01.02.I.109.
ATTACHMENT NO.2 - Article 36.13 – MECHANICALLY ATTACHED THERMOPLASTIC POLYOLEFIN (TPO) ROOFING SYSTEM

(THIS PAGE INTENTIONALLY LEFT BLANK)

ATTACHMENT NO.1
Articles 21.01.02.I.3. through 21.01.02.I.109.

(THIS PAGE INTENTIONALLY LEFT BLANK)

Bid Item No.	Description of Work
9	Work as Specified for CVP 4 @ STA 101+55 - PEET ROAD VAULT (PRV)
10	Work as Specified for CVP 2 @ STA 322+30 - SAN BRUNO VAULT (SBV)
11	Work as Specified for CAP @ STA 41+86 - BAILEY AVE VAULT (BAV)
12	Work as Specified for CAP @ STA 147+48 - CALERO MODULATING VALVE (CMV)
13	Work as Specified for CAP @ STA 41+97 - CALERO RESERVOIR FLOWMETER & TURNOUT (BAV)
14	Work as Specified for CVP 4 @ STA 109+55 - 2" CARV
15	Work as Specified for CVP 4 @ STA 112+74 - 14" CARV TYPE I - 125# DRILLING & 6" TYPE II BURIED TURNOUT
16	Work as Specified for CVP 4 @ STA 119+99 - BLIND FLANGE
17	Work as Specified for CVP 4 @ STA 127+61 - 2" CARV & 6" TYPE II BURIED TURNOUT
18	Work as Specified for CVP 4 @ STA 130+23 - 14" CARV TYPE I - 125# DRILLING
19	Work as Specified for CVP 4 @ STA 138+84 - BLIND FLANGE
20	Work as Specified for CVP 1 @ STA 100+52 - 14" CARV TYPE I - 125# DRILLING
21	Work as Specified for CVP 1 @ STA 110+80 - BLIND FLANGE (AFO DUAL 4" STACK)
22	Work as Specified for CVP 1 @ STA 121+09 - BLIND FLANGE
23	Work as Specified for CVP 1 @ STA 121+19 - DOUBLE 10" CARV
24	Work as Specified for CVP 1 @ STA 132+90 - BLIND FLANGE
25	Work as Specified for CVP 1 @ STA 144+56 - 2" CARV
26	Work as Specified for CVP 1 @ STA 151+00 - BLIND FLANGE
27	Work as Specified for CVP 1 @ STA 161+02 - BLIND FLANGE
28	Work as Specified for CVP 1 @ STA 161+12 - DOUBLE 10" CARV

Bid Item No.	Description of Work
29	Work as Specified for CVP 1 @ STA 168+95 - 2" CARV
30	Work as Specified for CVP 2 @ STA 163+10 - BLIND FLANGE
31	Work as Specified for CVP 2 @ STA 174+00 - BLIND FLANGE
32	Work as Specified for CVP 2 @ STA 179+90 - 14" CARV TYPE I - 250# DRILLING
33	Work as Specified for CVP 2 @ STA 192+00 - BLIND FLANGE
34	Work as Specified for CVP 2 @ STA 204+90 - 14" CARV TYPE I - 250# DRILLING
35	Work as Specified for CVP 2 @ STA 207+32 - BLIND FLANGE
36	Work as Specified for CVP 2 @ STA 210+00 - BLIND FLANGE
37	Work as Specified for CVP 2 @ STA 218+42 - 2" CARV
38	Work as Specified for CVP 2 @ STA 220+25 - 14" CARV TYPE I - 250# DRILLING
39	Work as Specified for CVP 2 @ STA 224+15 - 14" TANGENT NOZZLE & 24" PUMPING RISER
40	Work as Specified for CVP 2 @ STA 224+34 - 2" CARV (AFO DUAL STACK WITH 2" CARV)
41	Work as Specified for CVP 2 @ STA 227+84 - 14" CARV TYPE I - 250# DRILLING
42	Work as Specified for CVP 2 @ STA 237+65 - 14" CARV TYPE I - 250# DRILLING
43	Work as Specified for CVP 2 @ STA 251+65 - 2" CARV
44	Work as Specified for CVP 2 @ STA 253+65 - 14" CARV TYPE I - 250# DRILLING
45	Work as Specified for CVP 2 @ STA 265+00 - BLIND FLANGE (AFO DUAL 4" STACK)
46	Work as Specified for CVP 2 @ STA 276+27 - 2" CARV
47	Work as Specified for CVP 2 @ STA 278+70 - 14" TANGENT NOZZLE & 24" PUMPING RISER
48	Work as Specified for CVP 2 @ STA 279+05 - 2" CARV

Bid Item No.	Description of Work
49	Work as Specified for CVP 2 @ STA 281+66 - 14" CARV TYPE I - 250# DRILLING
50	Work as Specified for CVP 2 @ STA 295+23 - 2" CARV
51	Work as Specified for CVP 2 @ STA 296+95 - 14" CARV TYPE I - 250# DRILLING
52	Work as Specified for CVP 2 @ STA 310+00 - BLIND FLANGE
53	Work as Specified for CVP 2 @ STA 320+50 - BLIND FLANGE
54	Work as Specified for CVP 2 @ STA 325+85 - 14" CARV TYPE I - 250# DRILLING & 6" TYPE II BURIED TURNOUT
55	Work as Specified for CVP 2 @ STA 338+00 - BLIND FLANGE
56	Work as Specified for CVP 2 @ STA 343+60 - 14" CARV TYPE I - 250# DRILLING
57	Work as Specified for CVP 3 @ STA 348+84 - 6" TYPE I BURIED TURNOUT
58	Work as Specified for CVP 3 @ STA 353+15 - 14" CARV TYPE I - 250# DRILLING
59	Work as Specified for CVP 3 @ STA 362+99 - 6" GV & TURNOUT
60	Work as Specified for CVP 3 @ STA 367+06 - 6" TYPE I BURIED TURNOUT
61	Work as Specified for CVP 3 @ STA 371+38 - 14" CARV TYPE I - 250# DRILLING & 6" TYPE II BURIED TURNOUT
62	Work as Specified for CVP 3 @ STA 381+44 - 14" TANGENT NOZZLE & 24" PUMPING RISER WITH 4" BV
63	Work as Specified for CVP 3 @ STA 382+63 - BLIND FLANGE (AFO DUAL 4" STACK)
64	Work as Specified for CVP 3 @ STA 393+91 - 14" CARV TYPE I - 250# DRILLING
65	Work as Specified for CVP 3 @ STA 404+71 - BLIND FLANGE
66	Work as Specified for CVP 3 @ STA 409+99 - 14" CARV TYPE I - 250# DRILLING
67	Work as Specified for CVP 3 @ STA 413+31 - 2" CARV
68	Work as Specified for CVP 3 @ STA 414+50 - 14" CARV TYPE I - 250# DRILLING

Bid Item No.	Description of Work
69	Work as Specified for CVP 3 @ STA 418+07 - 2" CARV
70	Work as Specified for CVP 3 @ STA 427+15 - BLIND FLANGE
71	Work as Specified for CVP 3 @ STA 431+92 - 14" BLOWOFF
72	Work as Specified for CVP 3 @ STA 433+60 - 10" CARV
73	Work as Specified for CVP 3 @ STA 443+38 - BLIND FLANGE
74	Work as Specified for CVP 3 @ STA 448+44 - 14" BLOWOFF
75	Work as Specified for CVP 3 @ STA 449+16 - 2" CARV
76	Work as Specified for CVP 3 @ STA 451+51 - 14" CARV TYPE I - 250# DRILLING
77	Work as Specified for CVP 3 @ STA 460+61 - 14" BLOWOFF
78	Work as Specified for CVP 3 @ STA 461+00 - 2" CARV
79	Work as Specified for CVP 3 @ STA 462+09 - 2" CARV (AFO DUAL STACK WITH 2" CARV)
80	Work as Specified for CVP 3 @ STA 464+18 - 2" CARV
81	Work as Specified for CVP 3 @ STA 465+13 - 2" CARV
82	Work as Specified for CVP 3 @ STA 469+80 - 2" CARV & 10" TYPE II BURIED TURNOUT
83	Work as Specified for CVP 3 @ STA 474+11 - 10" GV & TURNOUT
84	Work as Specified for CAP @ STA 14+86 - 14" CARV TYPE I - 250# DRILLING
85	Work as Specified for CAP @ STA 17+25 - 14" TANGENT NOZZLE & 24" PUMPING RISER
86	Work as Specified for CAP @ STA 18+89 - 14" CARV TYPE II
87	Work as Specified for CAP @ STA 26+32 - 14" CARV TYPE II
88	Work as Specified for CAP @ STA 31+49- 14" TANGENT NOZZLE & 24" PUMPING RISER

Bid Item No.	Description of Work
89	Work as Specified for CAP @ STA 34+88 - 14" CARV TYPE II
90	Work as Specified for CAP @ STA 38+70 - 14" TANGENT NOZZLE & 24" PUMPING RISER
91	Work as Specified for CAP @ STA 41+71 - 2" CARV
92	Work as Specified for CAP @ STA 42+30 - 14" CARV TYPE I - 250# DRILLING
93	Work as Specified for CAP @ STA 45+80 - 14" TANGENT NOZZLE & 24" PUMPING RISER
94	Work as Specified for CAP @ STA 50+85 - 14" CARV TYPE II
95	Work as Specified for CAP @ STA 55+30 - 2" CARV
96	Work as Specified for CAP @ STA 58+18 - 2" CARV
97	Work as Specified for CAP @ STA 60+09 - 14" CARV TYPE II
98	Work as Specified for CAP @ STA 64+95 - 14" TANGENT NOZZLE & 24" PUMPING RISER
99	Work as Specified for CAP @ STA 71+35 - 2" CARV
100	Work as Specified for CAP @ STA 74+19 - 14" CARV TYPE II
101	Work as Specified for CAP @ STA 84+83 - 14" CARV TYPE II
102	Work as Specified for CAP @ STA 87+48 - 14" TANGENT NOZZLE & 24" PUMPING RISER
103	Work as Specified for CAP @ STA 94+44 - 14" CARV TYPE I - 250# DRILLING
104	Work as Specified for CAP @ STA 108+87 - 14" TANGENT NOZZLE & 24" PUMPING RISER
105	Work as Specified for CAP @ STA 109+53 - 2" CARV & 6" TYPE II BURIED TURNOUT
106	Work as Specified for CAP @ STA 113+55 - 2" CARV (AFO DUAL STACK WITH 2" CARV)
107	Work as Specified for CAP @ STA 118+51 - 14" CARV TYPE I - 250# DRILLING
108	Work as Specified for CAP @ STA 121+30 - 14" CARV TYPE I - 250# DRILLING

Bid Item No.	Description of Work
109	Work as Specified for CAP @ STA 125+89 - 2" CARV
110	Work as Specified for CAP @ STA 133+31 - 14" CARV TYPE I - 250# DRILLING
111	Work as Specified for CAP @ STA 134+51 - 2" CARV
112	Work as Specified for CAP @ STA 140+46 - 2" CARV
113	Work as Specified for CAP @ STA 145+05 - 14" TANGENT NOZZLE & 24" PUMPING RISER
114	Work as Specified for CAP @ STA 147+22 - 2" CARV
115	Work as Specified for CAP @ STA 147+98 - 2" CARV

ATTACHMENT NO.2
Article 36.13 – MECHANICALLY ATTACHED THERMOPLASTIC POLYOLEFIN (TPO) ROOFING SYSTEM

(THIS PAGE INTENTIONALLY LEFT BLANK)

PART 1 GENERAL

1.01 SUMMARY

A. The work specified in this Section includes the Mechanically Attached Reinforced Thermoplastic Polyolefin (TPO) Roofing System.

B. This work shall include providing all labor and equipment and furnishing, delivering, fabricating and installing all materials required to the TPO roofing system to a condition that is equal to or better than the existing roof prior to construction, in conformance with the referenced Drawings and as specified herein.

C. The TPO roofing system utilizes a (maximum) 12' wide, scrim reinforced TPO membrane in thickness of 60 mil. Insulation is attached to the substrate with insulation fasteners and plates and the TPO membrane is attached to the substrate with system fasteners and plates. Adjoining sheets are overlapped approximately 5-1/2" and seamed together with a min 2" wide heat weld.

1.02 RELATED ARTICLES

A. Article 36.11 – Roofs

B. Article 36.12 – Hatches, Roof Scuttle

1.03 MEASUREMENT AND PAYMENT

A. Unless noted otherwise, full compensation for Work involved in complying with all requirements per this Article as shown on the Drawings, as specified in these Specifications, and as directed by the Engineer shall be considered incidental and included in the Contract Price(s) paid for the various items of Work involved; no additional time shall be allowed or payment made.

1.04 SUBMITTALS

A. Refer to Article 7.05 – Submittals to be Furnished by the Contractor for submittal requirements.

B. Product Data:

1. Submit manufacturer's product data.

C. Shop Drawings:

1. Submit shop drawings including plans, sections, accessories, location, adjacent construction interface, and dimensions.

1.05 QUALITY ASSURANCE

A. The roofing system must be installed in accordance with installation guidelines and detail drawings as approved by the manufacturer. Prior written approval from the manufacturer is required for all deviations from the manufacturer's specifications and details.

1.06 DELIVERY, STORAGE AND HANDLING

A. Deliver products in manufacturer's original packaging with the manufacturer's name, brand name and installation instructions. Store materials in a dry, protected, well-vented area as per manufacturer's recommendations. Inspect product upon receipt and report damaged material immediately to delivering carrier and note such damage on the carrier's freight bill of lading.

1.07 WARRANTY

A. Manufacturer's Material Warranty: Provide manufacturer's warranty. Materials shall be free of defects in material for a period of twenty-five (25) years from the date of purchase. Should a part fail to function in normal use within this period, manufacturer shall furnish a new part at no additional charge to the District.

B. Craftsmanship/Workmanship Warranty: Provide two (2) year of Craftmanship/Workmanship Warranty from the date of complete installation for repairs for defective installation by the Contractor. Should a part fail to function in normal use within this period, the Contractor shall furnish a new part at no additional charge to the District.

PART 2 PRODUCTS

2.01 MANUFACTURERS

A. Mule-Hide's Mechanically Attached Reinforced TPO Roofing System

B. Or equal.

2.02 MATERIALS

A. The Contractor shall provide proper substrate as required. Substrate must allow for drainage so that all water is removed within 48 hours after a rain event.

B. Roof shall include all new Douglas fir, pressure treated 2" x 10" timbers, ¾" plywood sheets, and facia boards.

C. Membrane: Reinforced 60-mil thick Thermoplastic Polyolefin (TPO) membrane

D. All framing angles, joist hangers, and nails shall be new and galvanized.

E. Other materials: As required by the manufacturer.

PART 3 EXECUTION

3.01 GENERAL

A. The Contractor shall install the TPO Roofing System per the manufacturer's guidelines, requirements, and recommendation.

END OF ARTICLE

(THIS PAGE INTENTIONALLY LEFT BLANK)