ADDENDUM NO. ONE

THORNTON WATER PROJECT
SOURCE WATER PUMP STATION

PROJECT NO. 12-777XP

CITY OF THORNTON, CO

TO: Prospective Bidders and all others concerned

DATE: June 15, 2026

PURPOSE: To provide additional information and clarification to the solicitation documents for the above-referenced Project.

1. The following shall Add to, Modify, and/or Delete portions of the Project Manual and Drawings for the Project-noted above.

   A. The Invitation for Bid Proposals shall be modified as follows:

      a. The due date for sealed bid proposals is hereby revised to **2:00 p.m., local time, Thursday, July 23, 2026.** Late proposals will not be accepted.

   B. The Source Water Pump Station Drawings shall be modified as follows:

      a. The following drawings are deleted in their entirety and replaced with the attached revised drawings: 30G05, 30CP01, 30C02, 30C05, 30C06, 30C07, 30EC03, 30EC05,30A01,30S16,30S17, 30S18, 30S20, 30M01, 30M02, 30M03, 30M04,30M05,30M06,30M07, 30M08, 30M09, 30M10, 30M11, 30E01, 30E20, 30N30, 30TC02, and 30TM02.

   C. The Source Water Pump Station Technical Specifications shall be modified as follows:

      a. Section 01 11 00, Summary of Work, Paragraph 1.06.D: Delete paragraph in its entirety and replace with the following:

         "D. Incorporation of Owner procured equipment into the project.

         1. The Owner has procured the equipment listed below. Contractor shall incorporate the delivery dates into the project schedules.

            a. Flowserve

               1) 3,000 HP Pumps and Motors (Tag Nos. PMP-305, PMP-306)

                  a) Model No. 34EKL.
                  b) Estimated Delivery June 15, 2027.

2) 600 HP Pumps and Motors (Tag Numbers PMP-302, PMP-303):

a) Model No. 25EKL.

b) Estimated Delivery June 15, 2027.

b. EMC

1) 3000 HP VFDs (Tag Nos. VFD-305, VFD-306):

a) Model No. TMdrive-MVe2 Frame 600G.

b) Estimated Delivery June 15, 2027.

2) 600 HP VFDs (Tag Numbers VFD-302, VFD-303):

a) Model No. TMdrive-MVe2 Frame 200G (SF).

b) Estimated Delivery June 15, 2027.

c. QED

1) Transformer (Tag No. XFMR-PP1):

a) Siemens Custom Unit

2) Switchgear (Tag No. SWGR-SW1):

a) Siemens Model No. GM-SG Series

3) Switchboard (Tag No. SWBD-SW):

a) Siemens Model No. 3VA65-HMAE

4) Lighting Panel (Tag No. LP-101):

a) Siemens Model No. P1C42Q4225CTST

5) Power Panel (Tag No. PP-101):

a) Siemens Model No. P1E66VB250CTST

6) Estimated Delivery December 2, 2027.

b. Section 01 20 20, Measurement and Payment, Paragraph 1.03.O.1.b: Delete paragraph in its entirety and replace with the following paragraph: “Measurement for payment will be lump sum and shall be based on a percent complete of this item. Percentages shall be as determined by the construction Manager.”

c. Section 01 20 20, Measurement and Payment, Paragraph 1.03.O.2.a: Delete paragraph in its entirety and replace with the following paragraph: “Lump sum.”

d. Section 01 75 17, Commissioning, Paragraph 1.09: Add new section:

"1.09 ***visual testing schedule submittal***

D. *General*

1. *Submit a Visual Testing Schedule as part of the Draft and Final Test Plan submittals. See example visual testing schedule included in Attachment A.*
2. *The Visual Testing Schedule shall graphically present the planned commissioning and startup testing sequence for the Thornton Water Project for both testing from SWPS to LCC and from SWPS to WBWTP.*
3. *The schedule shall be consistent with:*
   a. *Contract testing criteria.*
   b. *Approved Test Plan procedures.*
   c. *Commissioning Schedule requirements.*

E. *Format Requirements*

1. *Provide the Visual Testing Schedule as:*
   a. *A time-based graphical plot (flow vs. time), and*
   b. *Supporting tabular data defining test steps.*
2. *The schedule shall be similar in format and level of detail to the example included as Attachment A to this specification. The example is for testing from SWPS to WBWTP. Provide a similar visual testing schedule for testing to LCC.*

F. *Minimum Content Requirements*

1. *Time and Duration*
   a. *Calendar days and daily testing windows.*
   b. *Start and end times for each testing day.*
   c. *Identification of allowable testing hours (e.g., 7 a.m. to 4 p.m. for WBWTP) consistent with Contract requirements.*
2. *Flow Profile*
   a. *Continuous flow vs. time plot (MGD).*
   b. *Flow ramp-up and ramp-down sequences.*
   c. *Flow step increments compliant with specification (e.g., 0.5 MGD steps).*
   d. *Stabilization periods at each step (e.g., 45 minutes).*
3. *Daily Test Activities*
4. *For each test day, clearly identify:*
   a. *Day number and description of activity.*
   b. *Pump operating by tag number.*
   c. *Flow range and setpoints.*
   d. *Ramp steps and duration.*

5. *Pump Operations and Transitions:*

    a. *Identification of all pump units used (e.g., PMP 302, PMP-303, PMP 305, and PMP 306).*

    b. *Clearly indicate:*

        1) *Pump start/stop events.*
        2) *Transitions between pumps.*
        3) *Coordination of small and large pump operations.*

    c. *Identify days where 3,000 HP motors are started and verify compliance with start limitations.*

6. *System Constraints*

    a. *Maximum number of pump starts per day for 3,000 HP motors.*
    b. *Flow transition limits.*
    c. *Required stabilization periods.*
    d. *Time restrictions on flow changes.*

7. *Water Volume and Duration*

    a. *Total number of testing days.*
    b. *Estimated volume of water required for testing (MG).*
    c. *Estimated daily flow volume (MG).*

8. *Coordination with WBWTP Operations for Testing to WBWTP:*

    a. *Indicate expected:*

        1) *Total planned WBWTP production flow as identified by WBWTP Operations staff.*

        2) *Planned volume of SWPS testing water delivered to WBWTP for each test day in Million Gallons (MG) and as percentage of total planned WBWTP production flow.*

    b. *Coordinate with Owner regarding operational needs during testing.*

G. *Supporting Data*

1. *Tabulated daily testing schedule (by day and hour, as applicable.).*
2. *Flow summary data (minimum, maximum, and average per day).*
3. *Identification of critical milestones:*

    a. *Peak flow testing.*
    b. *Pump transitions.*
    c. *Failure mode testing.*

4. *Summary of testing assumptions and constraints.*

H. *Review and Approval*

1. *Visual Testing Schedule shall be:*

    a. *Submitted with Draft Test Plan for review.*
    b. *Updated and resubmitted with Final Test Plan.*

2. *Engineer approval is required prior to commencement of testing.*

I. *Revisions*

1. *Update the Visual Testing Schedule as required to reflect:*

   a. *Approved Test Plan revisions.*
   b. *Field conditions.*

2. *Owner-directed operational adjustments."*

e. Section 01 75 17, Commissioning: Add new specification Attachment A, attached.

f. Section 32 92 19, Seeding, Paragraph 1.07.C: Add new Paragraphs:

   a. The Contractor shall be responsible for removing and disposing of trees identified for removal on the Drawings. The Contractor shall not be responsible for replacing any removed trees. Tree replacement requirements associated with Larimer County approval conditions that are not included in these Contract Documents will be performed under a separate contract, procured and administered by the Owner through a third-party landscape contractor.

   b. The Owner will retain a third-party environmental consultant to monitor restoration progress for a period of three (3) years. Following expiration of the Contractor's one-year warranty period, any required maintenance, reseeding, noxious weed treatment, or other mitigation measures identified through the monitoring program will be evaluated, planned, and contracted separately by the Owner. The Owner will be responsible for any bonding or financial assurances associated with these potential future mitigation activities. The Contractor shall have no responsibility for costs, corrective actions, or additional work beyond the one-year warranty period.

g. Section 33 05 39.14, Reinforced Concrete Pipe ASTM C76: Add new specification section, attached.

D. The Chemical Building and PRV Vaults Project Drawings shall be modified as follows:

   a. Drawings 30C03 and 30C05: Delete drawings in their entirety and replace with attached drawings.

E. The Chemical Building and PRV Vaults Project Technical Specifications shall be modified as follows:

   a. Section 01 11 11, Summary of Work,
      i. Paragraph 1.12.A.2: Delete paragraph in its entirety.
      ii. Paragraph 1.12.C: Delete the words, "Colorado Department of Health and Environment (CDPHE)" and replace with the words "Colorado Department of Health and Environment (CDPHE) permits to be obtained by the Contractor".

b. Section 40 05 54, Horizontal Sleeve Valve, Paragraph 2.01.E: Delete paragraph and table in its entirety and replace with the following paragraph and table:

i. Performance: The valve shall be designed and guaranteed to operate throughout its range without cavitation damage, for the conditions stated below:

SLEEVE VALVE OPERATING CONDITIONS						
Sleeve Inside Nominal Dia. (inch)	Maximum Flow Condition			Minimum Flow Condition		
	Flow Rate (mgd)	Inlet Pressure (psi)	Outlet Pressure (psi)	Flow Rate (mgd)	Inlet Pressure (psi)	Outlet Pressure (psi)
Phase 1						
42	14.8	93	26	3.5	101	26
36	14.8	95	0	3.5	101	0
Phase 2						
42	26.6	75	26	3.5	160	26
36	26.6	82	0	3.5	160	0
Phase 3						
42	40	42	26	3.5	160	26
36	32.2	73	0	3.5	160	0

c. Section 40 05 54, Horizontal Sleeve Valve, Paragraph 2.01.H.1: Delete paragraph in its entirety and replace with the following paragraph:

i. “Bailey Valve, Model B-10 and/or B-16”.

3. This Addendum becomes part of the Contract Documents. All other conditions and requirements of the Contract Documents will remain unchanged. Receipt of this Addendum must be acknowledged in the space provided on the Bid Proposal Form in the Project Manual.

END OF ADDENDUM NO. ONE

DocuSigned by:
Patrick Hinterberger
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Patrick Hinterberger
Contracts Supervisor

Certificate Of Completion

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