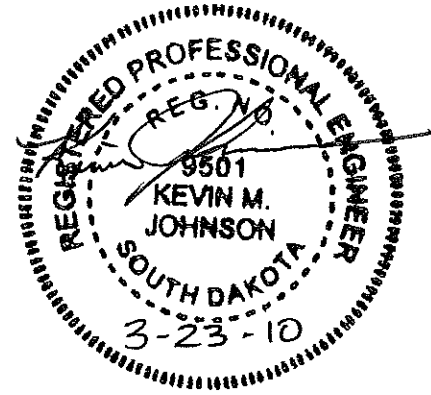


ADDENDUM NO. 1
March 23, 2010
FOR
MELLETTTE WATER TOWER



FOR
WATERTOWN MUNICIPAL UTILITIES
WATERTOWN, SOUTH DAKOTA
MARCH 2010

This Addendum No. 1 forms a part of the Contract Documents and modifies the original Bidding Documents as noted within this Addendum. All provisions of the Contract Documents not in conflict with this Addendum shall remain in full force. Acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification.

This addendum consists of seven (7) pages and no attachments.

SPECIFICATIONS

SECTION 00030 – ADVERTISEMENT FOR BIDS

- 1) Page 00030-2, Last Paragraph, Fifth Sentence; After the words "The Owner reserves the right to reject any or all Bids", **Add** the following words: "in accordance with South Dakota Codified Law 5-18-3".
- 2) Page 00030-2, Last Paragraph, Sixth Sentence; **Replace** "sixty (60) days" with "thirty (30) days".

SECTION 00100 – INSTRUCTIONS TO BIDDERS

- 1) Page 00100-5, Paragraph 7.02; **Replace** "thirty-five (35) days" with "thirty (30) days".
- 2) Page 00100-8, Paragraph 15.02; **Delete** Paragraph 15.02 in its entirety. Withdrawal of a bid after the opening of bids is not permitted by State of South Dakota law.

SECTION 00500 – AGGREMENT

- 1) Page 00500-8, Paragraph 4.02.A; **Replace** Paragraph 4.02.A with the following paragraph:

"A. The Work will be substantially completed by July 15, 2011 and be completed and ready for final payment by August 15, 2011. Failure to comply with or meet deadlines set forth herein will result in liquidated damages in accordance with Document 00500."

SECTION 00800 – SUPPLEMENTARY CONDITIONS

- 1) Page 00800-7, Paragraph SC-14.02.A.1; **Replace** SC-14.02.A.1 with the following:

“SC-14.02.B.1 Amend the first sentence of paragraph G.C. 14.02.B.1 to read as follows:

Replace the words "~~Ten days~~" with "Twenty five days". And so amended paragraph 14.02.A.1 remains in effect.”

SECTION 00800 – SUPPLEMENTARY CONDITIONS APPENDIX A

- 1) Page 00800-Appendix A, **Replace** 00800-Appendix A (South Dakota Department of Environment and Natural Resources Surface Water Quality Program Statement of Basis and Notice of Intent documents) with new versions of the documents that became effective February 1, 2010. Copies of the documents are available either on the SD DENR Surface Water Quality Program Website at: <http://denr.sd.gov/des/sw/NewStormWaterPermit.aspx> or on AE2S’s website on the project bidding page at: www.ae2s.com.

SECTION 01011 – SUMMARY OF PROJECT

- 1) Page 01011-4, Paragraph 1.12.A; **Delete** Paragraph 1.12.A in its entirety.

SECTION 01015 – SPECIAL PROVISIONS

- 1) Page 01015-1, Paragraph A; **Delete** Paragraph A in its entirety.

SECTION 01500 – CONSTRUCTION FACILITIES AND TEMPORARY CONTROLS

- 1) Page 01500-3, Paragraph 1.13.E; **Replace** “Landfill” with “Landfill permitted to accept the anticipated wastes generated”.

SECTION 02062 – STANDPIPE DEMOLITION

- 1) Page 02062, Paragraph 1.06.B; **Add** the following sentence to the end of Paragraph 1.06.B:
“Contractor may contact the SDDENR Waste Management Program at (605) 773-3153 to determine requirements for hazardous wastes.”.

SECTION 02212 – RESTORATION OF DISTURBED AREAS

- 1) Page 02212, Paragraph 3.02.G; **Delete** Paragraph G in its entirety.

SECTION 02220 – DEWATERING

- 1) Page 02220-1, Paragraph 1.02; **Add** the following Paragraph C.:

“C. The Contractor shall contact the South Dakota Department of Environment and Natural Resources, Surface Water Quality Department for permit requirements, at:
SD Department of Environment and Natural Resources
Surface Water Quality Program
523 East Capitol Avenue
Pierre, South Dakota 57501-3181
Telephone: (605) 773-3351 or 1-800-SDSTORM”

SECTION 02660 – WATER DISTRIBUTION SYSTEM

1) Page 02660-5, Paragraph 2.01.C.11; **Add** the following approved manufacturer to Paragraph 2.01.C.11:

“h.) Milwaukee Valve Company.”

2) Page 02660-9, Paragraph 3.04.O.2; **Replace** “7-½ feet” with “6 feet”.

3) Page 02660-10, Paragraph 3.07; **Replace** Paragraph 3.07 with the following:

“3.07 SEWER CROSSING REQUIREMENTS

A. Horizontal Separation

1. Sewers shall be laid at least 10 feet (3.0 m) horizontally from any existing or proposed water main. The distance shall be measured edge to edge. In cases where it is not practical to maintain a 10 foot (3.0 m) separation, the Department may allow deviation on a case-by-case basis, if supported by data from the design engineer. Such deviation may allow installation of the sewer closer to a water main, provided that the water main is in a separate trench or on an undisturbed earth shelf located on one side of the sewer and at an elevation so the bottom of the water main is at least 18 inches (450 mm) above the top of the sewer.

2. If it is impossible to obtain proper horizontal separation as described above, both the water main and sewer shall be constructed of slip-on or mechanical joint pipe complying with public water supply design standards of the Department and be pressure tested to 150 psi (1034 kPa) to assure watertightness before backfilling.

B. Vertical Separation

1. Sewers Crossing Under Water Mains – The sewer shall be laid to provide a minimum of 18 inches (450 mm) from the top of the sewer to the bottom of the water main. The crossing shall be arranged so the sewer joints will be equidistant and as far as possible from the water main.

2. Sewers Crossing Over Water Mains – Either the water main or the sewer main must be encased in a watertight carrier pipe that extends 10 feet (3.0 m) on both sides of the crossing, measured perpendicular to the water main. The carrier pipe shall be PVC, ABS, or HDPE, and the ends sealed with a rubber gasket or boot.

C. Special Conditions

When it is impossible to obtain the proper horizontal and vertical separation as stipulated above, one of the following methods shall be specified:

1. Water Pipe – The sewer shall be designed and constructed equal to water pipe and shall be pressure tested at 150 psi (1034 kPa) prior to backfilling to assure watertightness; or;

2. Carrier Pipe – Either the water main or the sewer main may be encased in a watertight carrier pipe that extends 10 feet (3.0 m) on both sides of the crossing, measured perpendicular to the water main. The carrier pipe shall be PVC, ABS, or HDPE, and the ends sealed with a rubber gasket or boot.

D. Storm Sewers

1. A reinforced concrete pipe (RCP) storm sewer may cross below a water main with a separation of less than 18 inches or at any height above a water main provided the joints on the RCP within 10 feet of either side of the water main are assembled with:

2. Preformed butyl rubber sealant meeting federal specification #SS-S-210A and AASHTO M 198, and each of these joints are encased with a minimum 2-foot wide by 6-inch thick concrete collar centered over the joint and reinforced with the equivalent steel area as that in the RCP. Encasement of the water main will not be required when the RCP joints are collared within the 20-foot section.

3. An O-ring that conforms to ASTM C 443 specifications. O-rings are manufactured for concrete pipe with diameters up to 18 inches.

4. A strip of impermeable material held in place with stainless steel bands and tested to 5 psi prior to the storm sewer being put into use.”

SECTION 02675 – CLEANING AND DISINFECTION OF WATER SYSTEM

1) Page 02675, Paragraph 3.04.C; **Replace** Paragraph 3.04.C with the following paragraph:

“C. Two or more successive test samples, taken a minimum of 24 hours apart, indicating bacteriological satisfactory water shall be obtained before any water main and associated appurtenances are placed into operation.”

SECTION 09900 – PAINTING

1) Page 09900-8, Paragraph 3.08.C; **Add** the following sentences to Paragraph 3.08.C:

- “5.) Galvanized steel ladders, platforms, and grating items in the water tower.
- 6.) Stainless steel riser pipe and appurtenances in the water tower.
- 7.) Safety-climb devices, cables, rails, slides, and appurtenances.”

SECTION 09920 – WATER TOWER COATINGS

1) Page 09920-5, Paragraph 1.10.C; **Strike** the following sentence from the Paragraph:

~~“The Contractor will be required to comply with OSHA Regulations 29 CFR 1926.62 Lead for worker health.”~~

2) Page 09920-11, Paragraph 3.04.K; **Delete** Paragraph 3.04.K in its entirety.

3) Page 09920-12, Paragraph 3.06.F; **Delete** Paragraph 3.06.F in its entirety.

4) Page 09920-13, Paragraph 3.06.H; **Delete** Paragraph 3.06.H in its entirety.

- 5) Page 09920-13, Paragraph 3.06.I; **Delete** Paragraph 3.06.I in its entirety.
- 6) Page 09920-14, Paragraph 3.08.C; **Replace** Paragraph 3.08.C.1 with the following:

“1.) **Shop Surface Preparation:** The Fabricator shall prepare all surfaces to be painted by abrasive blast cleaning to achieve the standard of SSPC-SP10 Near-White Metal Blast Cleaning with a minimum angular anchor profile of 2.0 mils.”

- 7) Page 09920-14, Paragraph 3.08.C; **Replace** Paragraph 3.08.C.2 with the following:

“2.) **Shop Primer:** The interior wet surfaces shall be primed with Tnemec Series 94-H₂O Hydro-zinc or SW Galvapak NSF Zinc at 2.5 to 3.5 mils DFT. Optional: Interior dry surfaces not subject to moisture condensation or “sweating” may be primed with Tnemec Series N140F Pota-Pox Plus Beige primer or SW Copoxy Shop Primer NSF at 4.0 to 6.0 mils DFT.”

- 8) Page 09920-15, Paragraph 3.08.D.4; **Replace** “Tnemec Series N69-color Hi-Build Epoxoline II” with “N140 Pota-Pox Plus”.

- 9) Page 09920-15, Paragraph 3.08.D.5; **Replace** “Tnemec Series 1074U-color Endura-Shield II” with “Tnemec Series 1075U-color Endura-Shield II”.

- 10) Page 09920-15, Paragraph 3.08.D.6; **Delete** Paragraph 3.08.D.6 in its entirety.

SECTION 13210 – COMPOSITE ELEVATED WATER STORAGE TANK

- 1) Page 13210-2, Paragraph 1.03.B; **Replace** the last sentence with: “These drawings shall be sealed by a professional engineer registered in the State of South Dakota.”

- 2) Page 13210-8, Paragraph 1.09.B.1; **Add** the following pre-qualified contractors:

- “d. Caldwell Tanks, Inc.
- e. Phoenix Fabricators & Erectors, Inc.”

- 3) Page 13210-5; **Replace** Paragraph 1.04.C.3 with the following:

“3. All portions of the tank, including the roof, shall be of water-tight construction and all materials shall have a minimum thickness of ¼-inch in accordance with AWWA D100.”

- 4) Page 13210-9, Paragraph 1.09.C.3; **Strike** the word “~~foundation~~”.

- 5) Page 13210-14, Paragraph 2.06.G.2; **Replace** “30-inch square” with “30-inch diameter” and **Add** the following sentence: “The hatch cover may be constructed of painted carbon steel in lieu of an aluminum cover, at the contractor’s option.”

- 6) Page 13210-15, Paragraph 2.06.L.2.a; **Replace** the word “inside” with “outside” in the third sentence.

- 7) Page 13210-16, Paragraph 2.06.L.2.a; **Replace** “be screened with No. 4 wire mesh non-corrodible screen installed within the pipe at a location least susceptible to vandalism” with “include a Tideflex Series 39 in-line rubber-flap check valve with a stainless steel body and

flanges installed in the overflow pipe just inside the water tower near the floor level at a location that is easily accessible for periodic maintenance or cleaning of the valve”.

8) Page 13210-19, Paragraph 2.07.D; **Delete** Paragraph D in its entirety.

9) Page 13210-21, Paragraph 3.03.A.3; **Strike** the last sentence "~~Vertical pour rate shall be a minimum of 15 feet per hour~~".

10) Page 13210-21, Paragraph 3.03.A.6; **Replace** “6 feet” with “4 feet” and **Replace** “10 feet” with “12 feet”.

11) Page 13210-22, Paragraph 3.03.A.8; **Add** the following to the beginning of the first sentence of the paragraph: “For pour heights greater than 4 feet,”

SECTION 15430 – PLUMBING SPECIALTIES

1) Page 15430-2; **Add** the following approved manufacturer to Paragraph 2.01.A.2:

“e.) Wade.”

2) Page 15430-2; **Add** the following approved manufacturer to Paragraph 2.02.B.2:

“e.) Wade.”

DRAWINGS

SHEET G3 – CONSTRUCTION NOTES

1) General Note 14: **Add** the following sentence to the end of the paragraph:

“The Contractor may direct questions regarding permit requirements to:
SD Department of Environment and Natural Resources
Surface Water Quality Program
523 East Capitol Avenue
Pierre, South Dakota 57501-3181
Telephone: (605) 773-3351 or 1-800-SDSTORM”.

SHEET C2 – PROPOSED WATER TOWER SITE PLAN

1) Equipment Schedule Note 22: **Replace** “4’ WIDE” with “5’ WIDE”.

SHEET P2 – WATER TOWER – PLAN VIEW

1) **Delete** Equipment Schedule Note 23.

SHEET P3 – WATER TOWER – SECTION VIEW

1) **Delete** Equipment Schedule Note 13.

2) Equipment Schedule Note 17: **Replace** the words “See Detail 2/C4” with “See Detail 2/P4”.

SHEET P5 – INLET STRUCTURE – STRUCTURAL DETAILS

1) **Delete** Equipment Schedule Note 1.

2) **Delete** Equipment Schedule Note 10.

3) **Delete** Equipment Schedule Note 11.

4) **Delete** Equipment Schedule Note 12.

SHEET E4 – ELECTRICAL RISER

1) **Delete** the dashed line across the page and **Delete** the following two sentences that reference it: “All electrical above dashed line shall be furnished and installed by tower contractor.” and “All electrical below dashed line shall be furnished and installed by electrical contractor.” All work is to be provided by the general contractor since there is only one contract for the project.

END OF ADDENDUM NO. 1