

ADDENDUM NO. 1
February 9, 2024

Dam Spillway Replacement Project
Lake Alvin Recreation Area
Lincoln County, South Dakota
GFP Project No. Alvi22Pa

Bid Opening Date: February 15, 2024; 3:00pm CT
Department of Game, Fish and Parks
2nd floor, Foss Building
523 East Capitol
Pierre, South Dakota 57501-3182



Owner: State of South Dakota
Department of Game, Fish and Parks

Scope of this Addendum:

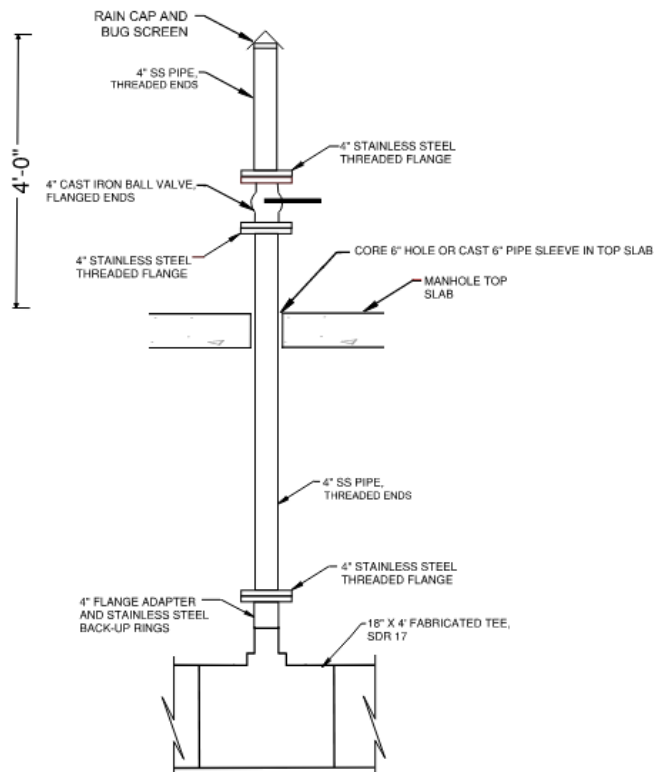
The following becomes a part of the original plans and specifications, taking precedence over the items that may conflict. The bidder shall note receipt and make acknowledgment of the addendum on the bid form, incorporating its provisions in the bid.

Item No. 1: **Question:** I wanted to confirm that the 18" DR17 HDPE pipe should be DIPS and not IPS. The only spot I saw it clarified was on detail Q on page 40 and I wanted to make sure this was correct.

Answer: The 18"Ø DR 17 HDPE should be IPS. The callout on page 40, detail Q of the Plans is incorrect and should read "18"Ø HDPE", not "18"Ø DIP".

Item No. 2: **Question:** For the 4" stand pipe in the gate structures, what piping material should this be, and what should be at the very top of the stand pipe where it reaches ground level? Also, would a 4" inserta tee be an acceptable alternative to an 18"x4" tee fitting? This would be much more cost effective then having to have a 18"x4" HDPE tee fitting fabricated, and then there would be no need for the 4" HDPE stub out to have to transition to whatever the standpipe material needs to be.

Answer: The pipe material for the 4" stand pipe in the gate structures should be stainless steel. A 4" inserta tee will not be acceptable; provide the 18" x 18" x 4" tee as specified. The standpipe portion of Detail 2 on Page 18 of the Plans, shall be modified as follows:



STANDPIPE DETAIL
NOT TO SCALE

Item No. 3: **Question:** Should the 18" gate valves be MJ or flanged?

Answer: Flanged.

Item No. 4: **Question:** For the gate valve stem extensions, are stem guides going to be needed? Also, what should be at the top of the stems? Would a 10" valve box top section with a water lid be acceptable that would end up being cast into the concrete?

Answer: Yes, provide stem guides for the gate valve stem extensions, as indicated in Specification 01 22 00 1.07.D.2. It is up to Contractor to determine what stem guides/supports will be necessary. Provide a lockable watertight valve box at the top of the valve stems. A 10" valve box would be acceptable.

Item No. 5: **Question:** What is needed for the access hatch with lock for the gate structures? I did not see that specified on the plans, details, or specs.

Answer: The access hatch should be 4' x 4' and meet the following specification:

ACCESS HATCH

- A. Provide aluminum access hatch at the locations shown on the Drawings. Length denotes hinge side. The access hatch shall be single leaf and pre-assembled from the manufacturer.
- B. Performance characteristics:
 - 1. Cover: Shall be reinforced to support minimum AASHTO HS-15 load rating with a maximum deflection of 1/250th of the span (not to exceed 3/16") . Manufacturer to provide structural calculations certified by a registered professional engineer upon request.
 - 2. Operation of the cover shall be smooth and easy with controlled operation throughout the entire arc of opening and closing.
 - 3. Operation of the cover shall not be affected by temperature.
- C. Access hatch shall be provided with an OSHA 29 CFR 1926.502(c)-approved integral grating. Access hatch shall have a locking lid (Owner to provide lock).
- D. Cover: Shall be patterned to provide traction.
- E. Hinges: Shall be specifically designed for horizontal installation and shall be through bolted to the cover.
- F. Lifting mechanisms: Manufacturer shall provide the required number and size of compression spring operators enclosed in telescopic tubes to provide, smooth, easy, and controlled cover operation throughout the entire arc of opening and to act as a check in retarding downward motion of the cover when closing.
- G. An exterior handle shall be provided to open the cover and the latch release shall be protected by a flush, gasketed, removable screw plug.
- H. Hardware
 - 1. Hinges: Shall be provided and shall pivot so the cover does not protrude into the channel frame.
 - 2. Cover shall be equipped with a hold open arm that automatically locks the cover in the open position.
 - 3. Cover shall be fitted with the required number and size of compression spring operators.
 - 4. Hardware: Compression spring tubes shall be an anti-corrosive composite material.

Item No. 6: **Question:** I wanted to confirm that the subdrain piping must be SCH80 like the specs say. I've commonly seen SDR35 PVC or SCH40 PVC called out for subdrain, this is the first time I've seen SCH80 called out so I just wanted to verify.

Answer: Yes, the subdrain piping must be Schedule 80.

Item No. 7: **Question:** Bid Items P.16, Mud Mat: and SB.5, Mud Mat: We are not finding any parameters, i.e. mix design and limits, in either the specification or drawings, for the Mud Mats called out in spot locations of the drawings. Please advise.

Answer: Replace Specification Section 03 30 00, 2.05 B. with the following:

B. Minimum mix design requirements per ACI 318 with the following exposure classes:

Class of Concrete	Maximum w/cm	Compressive Strength & Test Age	Freezing and Thawing (F)	Sulfate (S)	Water Contact (W)	Corrosion Protection (C)
All Unless Noted Otherwise	0.40	5,000 psi @ 28 days	F2	S0	W1	C1
Mud Mat	0.70	1,500 psi @ 28 days	F2	S0	W0	C0

Item No. 8: **Question:** Plan sheet 26, Detail 8/23, Profile: LA-04-22 Repair: Is all work shown, including 6" SDR 35 and Outlet surface drain, covered under Bid Item G.10, Raise Existing Piezometer?

Answer: No, the work for raising the existing piezometer is shown on sheet 27 detail 4. The work show for the LA-04-22 repair on Plan sheet 26 Detail 8 is paid for under the specific items associated with it (i.e. Coarse Filter Aggregate, Fine Filter Aggregate, Common Fill, Riprap, Granular Bedding, and Drainage Piping).

Item No. 9: **Question:** Plan sheet 18, Detail 2/17, Section: Gate Structure, Bid Item L.5, 4" Standpipe, Fittings, Tees, Appurtenances: Specification section 33 40 00, 1.04 D, Stainless Steel Piping and Fittings is directing the contractor to complete this work as shown on drawing. However, the drawing is showing only a single/plain run of 4" diameter pipe. Please elaborate on what the engineer is requiring here.

Answer: Please see response to Item No. 2 of this Addendum.

Item No. 10: **Question:** Measurement & Payment in the Specification for Bid Item L.1, Intake Structure: This refers to an Identification Buoy to be included under the Basis for Payment but no information is given in the specifications or a call out in the drawings. Please advise.

Answer: An Identification Buoy does NOT need to be provided for the low level drawdown intake structure.

Item No. 11: **Question:** Plan sheet 18, Detail 2/17, Section Gate Structure: Calls out for Access Hatch with Lock. Specifications calls for Manhole casting/ cover with locking lid. Please supply more information regarding what the engineer is looking for.

Answer: Please see response to Item No. 5 of this Addendum.

Item No. 12: **The following Contractors have attended either the mandatory virtual or on-site pre-bid meeting and are eligible to bid as a Prime Bidder:**

Meyer Contracting, Inc.
SFC Civil Constructors
Engineering & Construction Innovations, Inc.
Street Construction Company
605 Companies, Inc.

February 9, 2024

A handwritten signature in black ink, appearing to read 'J. Gilkerson', with a long horizontal flourish extending to the right.

James Gilkerson, P.E.
Engineer II