



Addendum #002

PROJECT: Kicking Horse Dam and Outlet Works Modification

OWNER: Confederated Salish and Kootenai Tribes

ENGINEER: United States Department of the Interior, Bureau of Reclamation

DATE: July 29, 2026

The following corrections, clarifications, and or alterations to the Bidding Requirements and Contract Documents (together, the Bidding Documents) are as much a part and parcel of the said Bidding Documents as if included therein. **Bidders are required to acknowledge receipt of Addendum virtually through the QuestCDN website and by physically downloading, signing, and uploading Attachment A to the Bid Form (00410) through vBid on the QuestCDN website.**

The Addendum consists of 122 pages and is presented in the order listed below:

Questions from Planholders and Additional Information Provided During the Bidding Process

Responses to the questions from the planholders which were submitted through QuestCDN are provided along with additional information which was sent to all planholders via email through QuestCDN.

Volume 1 – Contracting Documents

Section 00100 – Advertisement for Bids

Modify the first paragraph on Page 2 of 2 of this section under the heading “Pre-Bid Conference” as follows:

- A mandatory pre-bid conference for the Project will be held on June 30, 2026 at 9:00 a.m. MST at the *SKC Robert R Depoe III Building, rooms 142 and 143, located at 58138 US-93, Pablo, MT 59855*

Section 00410 – Bid Form

Within Bid Schedule 2 in Attachment B, quantities for CLIN #93 have been revised from 145 cubic yards to *230 cubic yards*. A revised version of Attachment B to the Bid Form is included in Addendum #002 and will be uploaded to vBid on the QuestCDN site.

Section 00410 – Bid Form

Under the requirements for the Technical Proposal in Attachment C, replace Item 4 under Evaluation Factor 1A on page 16 of 21 of this section with the following:

4. Dam and Dike Embankment Construction

- a. Describe the plan, means, methods, equipment, and sequence for the required excavation in the dam and dike embankment. Include plans for stockpiling of excavated materials.*
- b. Describe the plan for removal and control of water during the dam excavation and reconstruction of the dam embankment to the base of the mud-slab. Describe proposed methods, materials, equipment, and sequencing.*
- c. Describe plan for use of borrow area.*
- d. Describe procedures for moistening and drying of earthen materials from stockpiles and borrow area to obtain specified moisture content prior to placement. Describe procedures for meeting specified moisture content for material during placement and compaction.*
- e. Describe plan for reconstructing dam and dike embankment crests following cutoff wall installation.*
- f. Describe plan for placing, compacting, protecting, and avoiding contamination segregation, and material breakdown of all zoned earthfill materials through entirety of embankment reconstruction within the outlet works excavation footprint (especially within the chimney section).*
- g. Describe strategies for cold-weather earth-work. Specifically address means and methods for preventing the outlet works subgrade from freezing during construction of the outlet works and during placement of all zoned earthfill materials.*

A revised version of Attachment C to the Bid Form is included in Addendum #002.

Volume 2 – Specifications

Section 01 35 20 – Safety and Health

Add the following new paragraph after paragraph 1.06:

1.07 Quarterly Safety Partnering Lunch

- A. The Contractor shall hold formal safety partnering sessions during construction of the Kicking Horse Dam and Outlet Works Modification Project. The formal safety partnering sessions will assist the Contractor and Owner to maintain cooperative communication regarding site safety and will encourage and reinforce the implementation of safe work practices for all activities occurring on the site.*
- B. The formal safety partnering sessions will be held on a quarterly basis and will include all site craft workers, management personnel, inspectors, engineers, and Owner's Representatives. The duration of each session will be approximately 30 minutes and will be in the style of a "lunch and learn." The Contractor shall schedule the partnering session at least two weeks ahead of the actual date on which it occurs. A local catering business shall be hired to provide food, drink, utensils, napkins, cups, and any other items needed to provide a lunch for the session. The Indian Preference Ordinance Tribal Ordinance No. 101A and regulations shall apply when hiring a caterer to provide the lunch. The Contractor shall be responsible for paying all invoices for services rendered related to the partnering sessions. The Contractor may contact Melinda Charlo*

(406-675-2700ext. 1045) with the Indian Preference Office for information on the IPO Business List.

- C. *The safety partnering session will be led by a safety representative from the Contractor and is envisioned to be a group discussion with input from all participants. At a minimum, the following topics will be discussed at each session:*
1. *Findings of the latest weekly joint site inspection performed by the Contractor's Part-time Onsite Safety and Health Professional and the Owner. See requirements in Section 01 35 30 – Contractor's Onsite Safety Personnel.*
 2. *Review of any workplace incidents, first aids incidents, equipment damage, near misses, or similar occurrences which have led to lessons learned from the previous quarter.*
 3. *Discussion on hazard recognition, control, and prevention for a unique focus topic during each quarterly meeting.*
 4. *Soliciting input from the craft workers on any improvements which could be made to any aspects of the safety program or safety culture at the site.*

Section 01 35 30 – Contractor's Site Safety Personnel

Modify section 01 35 30-1.05.B.5 as follows:

5. The Contractor's *Part-time* On-site Safety and Health Professional shall have no other duties.

Section 01 57 90 – Preservation of Historical and Archeological Data

Add the following new paragraph under Part 3 – Execution:

3.01 CULTURAL SENSITIVITY TRAINING

- A. *The Contractor shall partake in an approximate 1-2 hour CSKT cultural sensitivity training conducted by the CSKT Preservation Office. Expected personnel to attend will be management, engineers, superintendent, and foreman as well as subcontractors that are performing substantial work on the Project.*

Section 02 41 10 – Removal of Existing Structures

Modify section 02 41 10-3.02.A as follows:

- A. Perform necessary excavations in accordance with Section 31 23 16 – Excavation of Existing Dam and Dike Embankment, Section 31 23 11 – *Earthwork for Canal Structures*, and Section 31 23 20 – Canal Earthwork.

Section 35 21 82 – Steel Piping

Relocate section 35 21 82-2.03.B titled "Hydrostatic Pressure Testing" to 35 21 82-2.03.C. Please note that all requirements under this section remain unchanged.

Section 35 21 82 – Steel Piping

Replace section 35 21 82-2.03.B with the following:

- B. Nondestructive testing of shop welds on square-to-round transition:*
- 1. Complete inspections and tests as work progresses in presence of CWI and mark to indicate acceptance or rejection.*
 - 2. CSKT reserves the right to witness and examine the fabrication of the transition at any time.*
 - 3. Welds: 100 percent visually examined by:*
 - a. Visual testing (VT) method per ASME BPVC V article 9, acceptance criteria in accordance with ASME BPVC VIII, Division 1, appendix 6.*
 - 4. Groove Welds: 100 percent examined by:*
 - a. Ultrasonic testing (UT) method per ASME BPVC-V, Article 4, acceptance criteria in accordance with ASME BPVC-VIII, Division 1, appendix 12.*
 - 5. Fillet Welds and other partial penetration joint field welds: 100 percent examined by:*
 - a. Liquid penetrant (PT) method per ASME BPVC-V, Article 6, acceptance criteria in accordance with ASME BPVC-VIII, Division 1, appendix 8 or;*
 - b. Magnetic particle (MT) method per ASME BPVC-V, Article 7, acceptance criteria in accordance with ASME BPVC-VIII, Division 1, appendix 6.*
 - 6. When welds are found to be defective by the standards of ASME BPVC, repair welds in accordance with ASME BPVC-VIII-1 and reexamine welds to ensure the adequacy of repairs.*
 - 7. Caulking or peening of defective welds is not permitted.*
 - 8. Retest unsatisfactory welds.*

Volume 3 – Design Drawings and Standard Drawings

The following seven drawing sheets have been revised to reflect minor changes:

1. Drawing No. 6-D-60187 – Disturbance Limits for Cofferdam – Plan – Sheet 1 – Rev. 1:
 - a. Disturbance limits for the cofferdam to be installed at the Kicking Horse Feeder Canal Diversion Structure have been expanded. Please see clouded area on the attached revised drawing.
2. Drawing No. 6-D-60086 – Check-Wasteway – Isometric – Rev. 1:
 - a. Updates were made to concrete wall geometry. Please see clouded area on the attached revised drawing.
3. Drawing No. 6-D-60088 – Check-Wasteway Concrete Outlines – Sections – Rev. 1:
 - a. Updates were made to concrete wall geometry. Please see clouded area on the attached revised drawing.
4. Drawing No. 6-D-60090 – Check-Wasteway – Reinforcement – Sections and Details – Rev. 1:
 - a. Updates were made to concrete wall geometry. Please see clouded area on the attached revised drawing.
5. Drawing No. 6-D-60098 – G-Canal – Typical Sections and Detail – Sheet 1 – Rev. 1:
 - a. Riprap bedding dimension in Detail 1 was revised from 1-foot to 6-inches Please see clouded area on the attached revised drawing.

6. Drawing No. 6-D-60099 – G-Canal Stilling Basin, Riprap Bedding and Geomembrane – Partial Plan, Profile, and Section – Sheet 1 – Rev. 1:
 - a. Riprap bedding dimension in the profile view and Section E was revised from 4-inches to 6-inches. Please see clouded areas on the attached revised drawing.
7. Drawing No. 6-D-60100 – Ninepipe Feeder Canal Wasteway/Check Structure and Riprap – Partial Plan, Sections, and Details – Sheet 1 – Rev. 2:
 - a. Existing ground surface has been added to Section H to illustrate areas that may require placement of Zone 1 material to reshape the Ninepipe Feeder Canal prism. Please see clouded area on the attached revised drawing.

SUMMARY TABLE OF RESPONSES TO QUESTIONS FROM THE PLANHOLDERS OBTAINED FROM QUESTCDN

CONTRACTOR QUESTION/CLARIFICATION (BID ADDENDUM 002)	
Question	Response
Will a Microsoft Teams meeting invite be provided for Bidders to call into the pre-bid meeting online?	Yes. A Microsoft Teams meeting invite will be emailed to all registered planholders on the QuestCDN website. A hyperlink to the Teams meeting will also be embedded in the pre-bid meeting agenda which will be posted under the "Q&A/Info" Tab on the QuestCDN site. However, to meet the mandatory attendance requirements of Article 4, Instructions to Bidders, each Bidder must physically sign in at the pre-bid conference to verify its participation. Bidders must sign in using the name of the organization that will be submitting a Bid. Bids will not be accepted from organizations who only virtually attend the pre-bid conference.
Has the location of the mandatory pre-bid conference changed?	Yes. The location of the mandatory pre-bid conference for interested bidders for the Kicking Horse Dam and Outlet Works Modification has changed. The conference will now be held at the SKC Robert R Depoe III Building, rooms 142 and 143, located at 58138 US-93, Pablo, MT 59855. The campus map can be found here: https://www.skc.edu/skc-campus-map/ All else is unchanged.
Can CAD files be provided to assist in quantity takeoff and breakdown for construction estimating. This request would be for linework contours for both existing ground surfaces and finish grade surfaces in .dwg format. If available, please provide .xml files for original ground and design surfaces.	Design drawings containing existing ground and finished grade surfaces in .dwg format can be found at the link below: https://cskt1-my.sharepoint.com/:f:/r/personal/trevor_bras_cskt_org/Documents/Kicking%20Horse%20CAD%20Files?csf=1&web=1&e=H49Jkf Please Note: The official record drawings are the digitally signed PDF version transmitted to you as part of the solicitation/contract documents or amendments. The electronic drawing files being provided by this transmittal corresponds to the most current solicitation/contract version of the official record drawings as of 2026-07-02. You are advised that electronic versions of drawings will not be automatically provided with amendments/modifications. In order for you to obtain any drawings provided by amendment/modifications, you must specifically request electronic drawings in writing. Some of the electronic drawing files may contain additional information that may have changed during the design process or was not utilized in the final drawing portion of the file. Any use of these drawings is at your own risk. You are cautioned that any changes made to an electronic drawing, by either you or your subcontractor(s) are at your own risk.
Will Montana Gross Receipts Tax be withheld from payments, or is this project exempt from MT GRT?	The Project is not a Montana Public Works Project. Montana gross receipts tax does not apply.
Specification 31 56 20 (Cement-Bentonite Slurry Cutoff Wall) 3.02 C.2 states that the use of in-situ mixing methods for construction of the cutoff wall is not allowed. In-situ mixing methods for cutoff walls are being used around the world with success of meeting the Army Corps permeability specification requirement of obtaining a permeability less than 1x10-6 cm/second for Dams. The Bureau of Reclamation also states that to serve as an impermeable barrier, the backfill is required to have a permeability equal to or less than 1x10-6 cm/second. This can be obtained using insitu mixing methods for a potential time and cost savings to the project. Please reconsider allowing for in-situ mixing methods to be allowed for cutoff walls.	As stated in Specification Section 31 56 20, Paragraph 3.02 C.2, the use of in-situ mixing methods for construction of the cutoff wall is not allowed.
Will Microsoft Project Professional (.mpp format) scheduling software be accepted for the bid schedule and/or the construction schedule? Or will the construction schedule have to be done using Primavera P6?	Microsoft Project Professional (.mpp format) will be acceptable for the proposal schedule as stated in item #6 under the requirements of Factor 1B of the Technical Proposal. For the project construction schedule, the selected Contractor will need to "furnish database files in format compatible with Oracle Primavera P6 Professional Project Management" as stated in Specification Section 01 32 10-1.04.A.1.
Do you have any available information regarding the weight (per lin ft) for the intended utilities that will be attached to the access bridge, as well as the "pipe tee" notation on Plan Sheet #6-D-60094?	The electrical conduits and conductors, along with the instrumentation conduits and cables, are estimated to weigh approximately 40 pounds per linear foot.

Question	Response
Article 7—Interpretations and Addenda, Section 7.03 states “Questions received less than twenty days prior to the date for opening of Bids may not be answered.” Would the owner confirm that this requirement applies to this solicitation and if so, would the owner consider extending the question deadline to allow appropriate review of the RFP post site visit?	***07-07-2026 REVISED RESPONSE*** The quoted section and requirement does apply to the Kicking Horse Dam and Outlet Works Modification Project. However, since this question was asked, the deadline for asking questions and the deadline for submitting a bid have both been extended by one day. Therefore, the final sentence of Paragraph 7.03 of Instructions to Bidders (00200) will remain unchanged.
Per EVALUATION FACTOR 2 – Management Control and Safety Plan FACTOR 2A- MANAGEMENT CONTROL PLAN, Item b. states that resumes are required to substantiate the qualifications of the proposed management team. Please clarify whether these resumes can be excluded from the page count for this section.	Please include the requested resumes. These resumes will be excluded from the page count for this section.
Per EVALUATION FACTOR 3 – PAST PERFORMANCE, Item 2. Key project personnel resumes (Project Manager, Project Superintendent, Safety Manger, and Quality Control Manager) are required for the prime contractor and key subcontractors. The resume requirements seem excessive given the page count limitations. Please clarify whether these resumes are actually required for this section and if so, can they be excluded from the page for this section?	Please include the requested resumes. These resumes will be excluded from the page count for this section.
Per the “BID FORM FOR CONSTRUCTION CONTRACT ARTICLE 2 - ATTACHMENTS TO THIS BID, please confirm if this form and Attachments A, B, C, and D should be included in the Technical Proposal and Attachment D should be include Price Proposal.	To answer the question directly, the Bid Form and Attachments A and B are not to be included in the Technical Proposal but are to be uploaded separately. 00410 – Bid Form Attachment C, IS THE Technical Proposal and 00410 – Bid Form Attachment D, IS THE Price Proposal. From the main page of the QuestCDN posting for the project, please click the red button which reads “Available” next to Online Bidding. This will bring you to a page that shows which items need to be submitted as a part of the bid. The Bid Form, and Attachments A and B to the Bid Form, will be downloaded, filled out on the provided forms, and uploaded for bid submission. Attachment C (Technical Proposal), Attachment D (Price Proposal), additional supporting data and required attachments for Qualifications, and evidence of a bidder’s authority to do business in the State of Montana will be uploaded separately in a format selected by the Contractor.
Article 8 - Bid Security. Please confirm that the Bid Security should be included in the Price Proposal.	The bid security is not a part of the of the Price Proposal. The bid security should be uploaded separately on the provided “CSKT Bid Bond” form. From the main page of the QuestCDN bid posting for the project, please click the red button which reads “Available” next to “Online Bidding”. This will bring you to a page that shows which items need to be submitted as a part of the bid. The “CSKT Bid Bond” form is listed as one of the items to download, fill out, and upload back to the site.
Will an Agenda be provided for the Pre-Bid Meeting	Yes. Please see the attached Pre-Bid Meeting Agenda. A link to the Teams meeting is included within the PDF and will be emailed out to the Planholders via QuestCDN. Please note the change of address for the Pre-Bid Meeting.
Where can I find the memo providing access to the Kicking Horse Dam Site?	Please see attached site memo which prospective bidders should print out and have on their person while performing any site visits at Kicking Horse Dam.
Does the Build America, Buy America Act apply for this project?	The Build America, Buy America Act does not apply to this project.
Electrical drawings 6-D-60159, 6-D-60164 and 6-D-60168 are not to scale. Can these drawing be provided to scale so that we can accurately perform takeoff?	Electrical drawings 6-D-60159, 6-D-60164 and 6-D-60168 are intended to not be to scale as some feature locations are approximate. Distances for quantity take offs can be estimated from other design drawings. Also, please note that estimated quantities for Unit Price CLIN’s related to electrical work are included in 00410 – Bid Form, Attachment B (Bidding Schedules) and are provided as a basis for preparation of bids.

Question	Response
We are actively preparing a proposal for the Kicking Horse Dam and Outlet Works Modification project and respectfully request that the Government consider extending the current bid due date. This procurement involves a technically complex project requiring extensive coordination with specialty subcontractors, suppliers, and firms eligible under the CSKT Indian Preference Ordinance. An extension of the bid due date by approximately two weeks would provide offerors additional time to finalize competitive pricing, strengthen Indian Preference participation, and submit more complete and competitive proposals. This additional time would enhance competition and help ensure the Government receives the best overall value. Would the Government please consider extending the bid due date by approximately two weeks?	***07-21-2026 REVISED RESPONSE*** The bid closing date has been revised to August 12, 2026 at 4:00 PM Mountain Standard Time. This will be immediately updated on the bid clock on QuestCDN and is captured in Addendum 001
Under Evaluation Factor 1A, Item 4, Dam and Dike Embankment Construction, the required discussion items (a) through (j) appear to be identical to those listed under Item 3, Cement Bentonite (CB) Cutoff Wall, and are specific to cutoff wall construction rather than embankment construction. Should Item 4 contain evaluation criteria specific to the dam and dike embankment work? May the Government issue the intended technical approach requirements for Item 4 in this Q&A prior to release of Amendment 001 so that we can begin to develop responses prior to the planned issuance of Amendment 001?	Within Section 00410 - Bid Form under the requirements for the Technical Proposal in Attachment C, replace Item 4 under Evaluation Factor 1A with the following: 4. Dam and Dike Embankment Construction a. Describe the plan, means, methods, equipment, and sequence for the required excavation in the dam and dike embankment. Include plans for stockpiling of excavated materials. b. Describe the plan for removal and control of water during the dam excavation and reconstruction of the dam embankment to the base of the mud-slab. Describe proposed methods, materials, equipment, and sequencing. c. Describe plan for use of borrow area. d. Describe procedures for moistening and drying of earthen materials from stockpiles and borrow area to obtain specified moisture content prior to placement. Describe procedures for meeting specified moisture content for material during placement and compaction. e. Describe plan for reconstructing dam and dike embankment crests following cutoff wall installation. f. Describe plan for placing, compacting, protecting, and avoiding contamination segregation, and material breakdown of all zoned earthfill materials through entirety of embankment reconstruction within the outlet works excavation footprint (especially within the chimney section). g. Describe strategies for cold-weather earth-work. Specifically address means and methods for preventing the outlet works subgrade from freezing during construction of the outlet works and during placement of all zoned earthfill materials.
Is there a fixture schedule for lighting? I will need to know what fixture types to have quoted.	Acceptable products and product characteristics for interior luminaires and exterior lighting can be found in Specifications Section 26 51 10 - Interior Luminaires, Part 2 - Products and Specifications Section 26 56 00 - Exterior Lighting, Part 2 - Products.
I'm having trouble accessing the CAD files via the provided link. Please advise on how to access.	Please attempt to access files via this second option, utilize link below. https://cskt1-my.sharepoint.com/:f/g/personal/trevor_bras_cskt_org/IgDSm0381xzUSImAxcQ8hdvaAX6JNhcyJMbeRZs0N8IFUD0?e=AM1i2R Please Note: The official record drawings are the digitally signed PDF version transmitted to you as part of the solicitation/contract documents or amendments. The electronic drawing files being provided by this transmittal corresponds to the most current solicitation/contract version of the official record drawings as of 2026-07-02. You are advised that electronic versions of drawings will not be automatically provided with amendments/modifications. In order for you to obtain any drawings provided by amendment/modifications, you must specifically request electronic drawings in writing. Some of the electronic drawing files may contain additional information that may have changed during the design process or was not utilized in the final drawing portion of the file. Any use of these drawings is at your own risk. You are cautioned that any changes made to an electronic drawing, by either you or your subcontractor(s) are at your own risk.

Question	Response
Considering the level of effort to complete preliminary/conceptual Contractor led designs and cost development, such as the Reservoir Diversion System, we are requesting a two-week bid date extension. Requested extension will also allow better outreach to CSKT Indian Preference Businesses as part of the Tribal Enterprise Management Plan.	***07-21-2026 REVISED RESPONSE*** The bid closing date has been revised to August 12, 2026 at 4:00 PM Mountain Standard Time. This will be immediately updated on the bid clock on QuestCDN and is captured in Addendum 001
Where can we find a copy of the entities who attended the pre-bid meeting for the Kicking Horse Dam and Outlet Works Modification Project?	Please see attached scanned sign-in sheets from the pre-bid meeting held on 06-30-2026 in Pablo, Montana.
We were unable to access the CAD files using the link provided in the previously answered question. It stated the email address was not associated with the link and to reach out to the person who shared it. Can you please provide the CAD files?	For access to CAD files, the email contact per the plan holders list was utilized. If another email contact is needed to be given access please let us know.
Volume 2 – Specifications, contains references to the Price Schedule please confirm that this is identical to the Bid Schedules contained in Section 00410 – Bid Form, Attachment B.	Confirmed. All references within Volume 2 – Specifications to the Price Schedule are intended to be to the Bid Schedules in Section 00410 – Bid Form, Attachment B.
Volume 2 – Specifications, contains references to the “Contracting Officer (CO)” and “Contracting Officer’s Representative (COR)” while Volume 1 – Contracting Documents, contains references to “Owner” is there a difference between these terms or entities?	Bidders shall consider “Contracting Officer (CO)” and “Contracting Officer’s Representative (COR)” referenced in Volume 2 – Specifications, to be synonymous with references to “Owner” in Volume 1 – Contracting Documents. These terms represent the same entity which is the Confederated Salish and Kootenai Tribes who is the project Owner.
Requesting clarification on Supplementary Condition of the Construction Contract SC-6.04 Paragraph G, which states “G. Coverage for Completion Delays: The builder’s risk policy will include, for the benefit of Owner, loss of revenue and soft cost coverage for losses arising from delays in completion that result from covered physical losses or damage. Such coverage will include, without limitation, fixed expenses and debt service for a minimum of 12 months with a maximum deductible of 30 days, compensation for loss of net revenues, rental costs, and attorneys’ fees and engineering or other consultants’ fees, if not otherwise covered.” REQUEST: If Contractor is required to include this coverage for the Owner, please provide value to be insured?	Bidders are not required to obtain quotes for, or include the cost of, delay-in-completion or soft cost endorsements in their bids. These coverages, if required, would be obtained only by the successful bidder after award of the contract.
Please clarify paragraphs M. and N. from 01 14 12 WORK RESTRICTIONS. Are the diversion pumps held to these requirements or just the diversion piping? M. The required diversion pipes from the Kicking Horse Feeder Canal to the Ninepipe Feeder Canal and G Canal shall not be installed or removed between March 1 and August 15 during each year throughout the duration of the construction project. N. The diversion pipe from the Kicking Horse Feeder Canal to the Ninepipe Feeder Canal and G Canal shall remain in place until the reconstructed outlet works and dam embankment is fully operational.	The work restrictions provided in specifications section 01 14 12, paragraphs 1.02.M and 1.02.N only apply to the diversion pipes.

Question	Response
Is there any additional information on south crow creek diversion structure and kicking horse diversion structures? - Pictures of existing structures - Estimated gate leakage from each structure - Height of existing structures	South Crow Feeder Diversion •See attached photos including markups with the approximate dimensions shown. Gate leakage rates were not measured at the time that photos were taken. Gate leakage rates may fluctuate based on canal operations. Please note that Specification Section 01 14 20-1.02.K.9 provides a link to data with the flow rates within the feeder canals. CSKT Water Management removes the instruments during non-irrigation season and the data should not be used to estimate gate leakage. •Bottom width of the canal just downstream of the South Crow Feeder Diversion structure ranges between approximately 20-30 feet. Side slopes along the canal are approximately 1:1. Kicking Horse Feeder Canal Diversion •See attached photos including markups with the approximate dimensions shown. •Please note that the Contractor will have the option to install the cofferdam in the location shown on drawing 6-D-60187 (adjacent to newer concrete structure) or downstream of the older concrete structure as detailed in provided sketch within the attachment to this response and in accordance with specification section 31 03 10 – Diversion and Care of Reservoir Inflows. •Bottom width of the canal just downstream of the older concrete structure ranges between approximately 8 feet and 16 feet. Side slopes along the canal are approximately 3/4:1 on the right side and 1:1 on the left side when looking downstream.
Section 31 23 70 CLSM measurement and payment includes the corrugated metal culvert pipe CLSM but section 33 42 30 corrugated metal pipe culvert also includes the CLSM. Please clarify where the culvert CLSM gets paid.	As stated in specifications section 31 23 70, paragraph 1.01.B, the cost for the CLSM used for the corrugated metal pipe canal crossing should be included in the price schedule for other applicable items of work. Please include the cost for the CLSM adjacent to the CMP for the canal crossing in CLIN 117.
Regarding Section 31 26 20, 1.01 Measure and Payment. The elevation of the top of the slurry cutoff walls are listed as 3066.5 and 3064.5 respectively. However, the bid quantities (Schedule 2, CLIN 101 & 102) seem to be based on measuring from the working platform elevations (3067 and 3065 respectively). Please clarify.	The calculated quantities for these items are slightly less than what is provided in the bid schedule. Reclamation follows internal rounding guidelines for quantities, which is resulting in a slight increase in the calculated quantity versus the Bid Schedule quantity for these items
Regarding Section 51 00 40 (Cement-Bentonite Mix Design), can you provide information on the manufacturer and product name of the slag used in mixes 7 through 10?	The manufacturer and product name of the slag used in mixes 7 through 10 is Holcim's NewCem from Seattle. Holcim is now Amrize.
Regarding Section 01 14 12 (Work Restrictions), Part 1.02.K. Does the date range for the construction of the CB slurry wall apply to only the CB slurry wall in the Dam, or does it also apply to the CB slurry wall to be installed in Dike No. 2?	The work restriction provided in specifications section 01 14 12, paragraph 1.02.K only applies to the dam. Note that specifications section 01 12 40, paragraph 1.02.A.2 requires the cutoff wall in the dike to be constructed before the cutoff wall in the dam.
Can you please confirm the warranty period on this project?	C-700, Paragraph 7.17.B, states the following regarding the general warranty and guarantee, "Owner's rights under this warranty and guarantee are in addition to, and are not limited by, Owner's rights under the correction period provisions of Paragraph 15.08. The time in which Owner may enforce its warranty and guarantee rights under this Paragraph 7.17 is limited only by applicable Laws and Regulations restricting actions to enforce such rights;...".
Specification section 31 03 10 states: C. Reservoir inflows may be stored up to El. 3041.0 during construction. D. Any reservoir inflow above El. 3041.0 shall be diverted. With cofferdams installed at south crow creek diversion and kicking horse diversion to mitigate gate leakage. Will the contractor be responsible for controlling the reservoir height if a significant rainfall event raises the reservoir height above 3041.0?	Flood frequency analyses were performed to size the cofferdam. The cofferdam was designed to account for large hydrologic inflow events. In the event of a large hydrologic event, the cofferdam can store the 100-year flood with 2 remaining feet of freeboard. Remote flood events exceeding the 1,000-year flood are needed to overtop the cofferdam. The cofferdam can be used to store flood inflows. In the event of a large hydrologic event, the contractor will be responsible for drawing down the reservoir to El. 3041.0

Question	Response
Specification 31 56 20 section 3.02 A.2. requires the Contractor to “perform a dry-run of the approved slurry loss management plan procedures in the presence of COR”. Can you please clarify what are the requirements of this “dry-run”?	Speciation Section 31 56 20, paragraph 3.02.A.1 requires the contractor to develop a slurry loss management plan. The intent of the dry-run required as part of Speciation Section 31 56 20, paragraph 3.02.A.2 is to train field staff on implementation of the slurry loss management plan in the field such that if slurry loss were to occur during active construction, field staff are properly trained for implementation of slurry loss procedures.
Specification 31 56 20, Section 1.02.C, defines "excessive slurry loss." Based on the mix designed by CSKT and anticipated subsurface conditions along the cutoff wall alignment, are excessive slurry losses expected to occur during cutoff wall installation? If so, please identify the anticipated general location(s), and the expected frequency or extent of these occurrences.	The available geologic data and safety of dams performance monitoring data have not identified any known subsurface conditions that would result in slurry loss. There is potential for small internal erosion related defects to be encountered in the dam foundation in the vicinity of the G Canal. Currently, this is judged to be the most likely location for potential slurry loss. A work restriction for relocation of the G-Canal prior to installation of the cutoff wall is required to reduce risks for slurry loss.
It is understood that water diversions for Kicking Horse Feeder Canal to the Ninepipe Feeder Canal and G Canal are required during July 9, 2028 to September 15, 2028. However the work restrictions 01.14.12 states the required diversion pipes shall not be installed nor removed every year between March 1 and Aug 15 throughout the construction project. Does the installation of the pipe need to be installed before any work starts on the project and remain in place for those periods of non removal or installation?	Based on the work restrictions identified in Specification Section 01 14 12, paragraphs 1.02.L and 1.02.M, an optimal time frame for installing the diversion pipes would be between August 16, 2027, and February 28, 2028. The diversion pipes shall remain in place until the outlet works is fully operational as required in Specification Section 01 14 12, paragraph 1.02.N. Once the outlet works is fully operational, removal of the diversion pipes still needs to meet the requirements of Specification Section 01 14 12, paragraph 1.02.M.
Can stockpiling of material be performed on the site provided it is within the designated project limits of disturbance and out of the designated wetlands as indicated on the plans?	As shown on design drawings, stockpiling of materials from cutoff wall excavations will be located on downstream face of dam and dike. For all other excavations, CSKT has provided two contractor use areas for stockpiling of materials and a processing/stockpiling area within the Borrow Area. Stockpiling of materials should occur in the areas provided.
Is any additional topsoil anticipated to be imported or does the 23 AC indicated sufficient for the project?	Available topsoil from stripping shall be used to the greatest extent possible with the dam and dike structures receiving priority placement. Importing of topsoil shall not occur to prevent invasive species introduction. In the event of a topsoil shortage, existing onsite material can be mixed with the available topsoil or some other option detailed and approved via RSN 32 92 20-1, Seeding Plan .
Under Sections 17.01(B)(3) and 18.07(A), Contractor is required to (1) accept “the laws of the Confederated Salish and Kootenai Tribes” as governing law for the Contract; (2) agree that the Tribal Court of the Confederated Salish and Kootenai Tribes is the “the exclusive forum to hear” claims brought by Contractor under the Contract; and (3) further accept this forum as being the exclusive option for “enforce[ing] such obligation[s]” under the Contract. This language prevents Contractor from securing the required bonds, resulting in an inability to submit a bid. Contractor requests Owner to accept proposed revisions to these provisions waiving sovereign immunity, including (1) changing the governing law to be that of the state where the project is located in, and (2) allowing for submission of a dispute under this Contract to a court of competent jurisdiction?	The proposed revisions are unacceptable to the CSKT. Bidders are encouraged to reach out to multiple bonding companies as bonding has been achievable for many past and current projects on the Flathead Reservation.
Will we be required to provide IPS or DIPS HDPE pipe?	Either IPS or DIPS HDPE pipe will be acceptable. IPS HDPE pipe is preferred.
Can the bidders use 11x17 pages in the proposal and would they be counted as 1-page?	For drawings, schedules, and other similar figures, 11x17 pages may be used in bidding proposals and will be counted as 1-page.
Per Section of 01 35 22 – First Aid and Medical Services - Does the specification require the contractor to provide an onsite medical clinic or medical treatment facility, or is it sufficient to identify available offsite medical facilities and emergency response resources?	It is not the intent of the Specification for the Contractor to provide an on-site medical clinic or medical treatment facility. The intent of the Specification is for the employees of the Contractor to have training to perform first aid, CPR, and have the ability to stabilize an injured worker before professional Emergency Medical Services arrive. There also must be reliable means of communication to contact Emergency Medical Services. This information will be detailed in RSN 01 35 22-1 – Medical Facilities Plans. See Chapter 1, Section 1.05 of the Reclamation Safety and Health Standards – 2024, for the full requirements.

Question	Response
Per Section of 01 35 22 – First Aid and Medical Services - Does the specification require an ambulance to be stationed onsite during work activities, or is it sufficient to establish arrangements with a licensed ambulance service that can respond to the project in the event of an emergency?	It is not the intent of the Specification to require an ambulance to be stationed on-site during work activities. Provisions for ambulance or emergency services must be planned prior to operations and must include consideration of medical air evacuation by helicopter. Ambulance service must be provided by an agency licensed to render such service. This information will be detailed in RSN 01 35 22-1 – Medical Facilities Plans. See Chapter 1, Section 1.05 of the Reclamation Safety and Health Standards – 2024, for the full requirements.
Per Section of 01 35 22 – First Aid and Medical Services - Regarding helicopter evacuation services, is the intent simply to identify and coordinate with the nearest available medical air evacuation provider (e.g., Flight for Life), or is a higher level of dedicated service required?	The intent of the Specification is to identify and arrange for medical air evacuation by helicopter prior to on-site operations beginning with the nearest available provider of this service. This information will be detailed in RSN 01 35 22-1 – Medical Facilities Plans. See Chapter 1, Section 1.05 of the Reclamation Safety and Health Standards – 2024, for the full requirements.
Per Section of 01 35 22 – First Aid and Medical Services - Section 1.08 references making facilities and services available to COR personnel, their agents, and the general public. Is the contractor expected to provide medical services directly to these parties, or is the intent that emergency response resources arranged by the contractor be available for use if needed?	The intent of Specification section 01 35 22-1.08 is for the employees of the Contractor to have training to perform first aid, CPR, and have the ability to stabilize an injured worker before professional Emergency Medical Services arrive. This applies to employees of the Contractor, subcontractors, and Owner and their Agents injured on the job. This information will be detailed in RSN 01 35 22-1 – Medical Facilities Plans.
Will long term signed detours on Canal Road be required? Chapter 01 55 20 paragraph 3.01 indicates that the traffic control must be administered by a third party, and if that's the case the cost of bringing up a TCS each day to check signs will be expensive and seems like it is unnecessary. This could just be Contractor personnel who is a certified TCS.	Per 01 14 12-1.02.E.2, "Full road closure of Canal Road along west side of Kicking Horse Reservoir shall remain in-place throughout construction." Requirements for road closures are listed in 01 55 20-3.01.M. Per 01 55 20-3.01.D, "Traffic Control Plan to be administered by a Third Party. Third Party is solely responsible for setup, continuous maintenance, and removal of all traffic control devices and personnel." It is not envisioned that the Third Party would need to be on-site each day to inspect signage and similar installations. However, it is envisioned that if there is an issue related to aspects of the approved Traffic Control Plan then the Contractor would notify the Third Party so that they could come to the site and address the issue and modify the Traffic Control Plan as needed and resubmit it for review.
Chapter 01 55 02 paragraph 3.01.H calls for a TCP with stoplights/traffic control signals at the Hwy 93 and Kicking Horse Road intersection to be in place when construction traffic is planned to enter/exit at this intersection. This will be the case for the duration of the project, with varying degrees of intensity. Is the signal only required during heavy periods of construction traffic, i.e. when doing mass import of aggregates/materials, or is this also going to be required for sporadic construction traffic? If it's sporadic, the signal will need to be in place for essentially the duration of the project.	It is anticipated that temporary stop lights/traffic control signals at the intersection of Highway 93 and Highway 212 may only be needed during periods of "heavy construction traffic." However, RSN 01 55 20-1, Traffic Control Plan, will need to be approved by the Owner, MDT, and Lake County and the degree to which stop lights/traffic control signals are needed may be subject to change. The use of temporary stop lights/traffic control signals for when construction traffic is present at the intersection of Highway 93 and Highway 212 will be detailed in this plan and shall meet the requirements of MUTCD, Part 6 and Part 4 and MDT's Standard Specifications, Section 618. Please note that Specification Section 01 55 20-1.04.B, states the following, "MDT currently has scheduled projects along Highway 93 starting 2026 running through 2030 that may impact traffic entering and exiting from the Kicking Horse Project area. The Contractor shall work cooperatively with MDT and any of their Contractors in regard to maintaining proper traffic control on Highway 93 and 212." Also, Specification Section 01 55 20-3.01.E indicates, "Contractor shall need to submit for and receive an encroachment permit with MDT prior to beginning work at the job-site.
Please clarify the thickness of the Riprap bedding in the G-Canal from STA 10+65 to 13+25. The typical excavation depth shown in Section C on 6-D-60098 is 1'-6"; Detail 1 shows 1' of Riprap bedding over 1' of Zone 1 material. The profile on sheet 6-D60099 shows 4" of Riprap bedding over 1' of Zone 1 material.	***07-21-2026 REVISED RESPONSE*** The thickness of the riprap bedding in the G-Canal from STA 10+65 to 13+25 should be 6-inches. Design Drawing 6-D-60098 and 6-D-60099 will be revised to reflect the 6-inch riprap bedding thickness and will be reissued in the forthcoming Addendum 002.

Question	Response
Specification 31 56 20, Part 3.06 discusses rejected slurry cutoff wall work. Can you clarify under what circumstances, specifically related to permeability and UCS, the Contractor would be required to replace a section of the CB slurry wall? For example, if the Contractor follows the mix proportions in Table 31 56 20A, and there are no errors at the batch plant, yet the permeability and/or UCS falls outside of the specified criteria, would the Contractor be required to re-excavate and re-construct portions of the cutoff wall at no cost to the Owner?	The specifications provide a mix design that meets the design requirements of the project, including the use of specific materials. The Contractor is required to submit trial batch results of this mix design as part of RSN 31 56 20-5. Flaws in the mix design should be identified as part of the submittal process. Once the trial batch submittal is approved, the Contractor is also required to perform a full-scale test in the field to evaluate multiple parameters, including the fresh properties of the slurry. Any issues observed with the full-scale batching and mixing identified as part of the full-scale testing would need to be rectified prior to initiating excavation of the cutoff wall in Dike No. 2. In instances where the contractor does not meet all the requirements in the specifications or is not performing work in accordance with the submittals, CSKT would require the contractor to replace failed panels at no expense to CSKT. In instances where the contractor is meeting all the requirements in the specifications and is performing work in accordance with the submittals, CSKT would engage in discussions with the contractor to resolve the issue and issue a contract modification for replacing failed panels.
Chapter 31 03 33 paragraph 3.02.C appears to requires flow metering and reporting for all pumped water (individual pumps and overall system) out of the various dewatered work zones. This requirement seems to be onerous and unnecessary unless it is explicitly required as part of the environmental permits. Can the requirement to monitor flow rates and water levels around dewatered workzones be removed from the dewatering operation?	Monitoring of discharge rates from individual pumps and combined system(s) and water levels will be required in accordance with the specifications.
This project requires EQ & flood on the builder's risk; will you accept a sublimit?	A sublimit will be acceptable. Bidders should assign a sublimit which is reasonable and prudent based on industry standards and their experience on similar projects. Bidders are not required to submit quotes for insurance. Coverages, if required, would be obtained only by the successful bidder after award of the contract.
I was looking for more info on the gate that is moving on this project. It says to see a detail on a different sheet but that sheet does not show a spec or detail? Could you point me in the right direction?I need to know if it's automatic and what type of operator it uses.How Wide etc.	Per Note 3 on drawing 6-D-60057, two existing pipe gates are to be relocated from their current locations near STA 01+15 and STA 51+31 to STA 65+00 and STA 160+40. Requirements related to their removal and relocation can be found in Specification Section 32 31 06 and will be verified with the Owner in the field. Separately, two new vehicle access gates are to be provided under this Contract at STA 0+50 and 52+50 as shown on drawings 6-D-60060 and 6-D-60061. The fabrication details for these new vehicle access gates are shown on drawing 6-D-60115 with additional requirements in Specification Section 32 31 20. No motor operated or automatic gates are to be provided under this Contract.
Section 09 96 20: Please confirm that the 75-Inch steel outlet works piping, square-to-round transition, and 8-Inch vent pipes require no coating system applied to the exterior, as they are to be concrete encased	The exterior of the 75-inch steel outlet works piping, square-to-round transition, and 8-inch vent pipes do not require a coating system in accordance with Specifications Section 09 96 20, paragraph 3.05.C.1.
Section 09 96 20: please confirm that the 75IN steel outlet works piping, square-to-round transition, and 8IN vent pipes require no coating system applied to the exterior as they are to be concrete encased. Tabulation No. 3 only lists the interior of the pipe to be coated.	The exterior of the 75-inch steel outlet works piping, square-to-round transition, and 8-inch vent pipes do not require a coating system in accordance with Specifications Section 09 96 20, paragraph 3.05.C.1.
Section 35 21 82, Part 2.03.B: Please clarify if the square-to-round transition requires a shop hydrostatic test, or not	100% NDT for the square-to-round transition is allowable in lieu of the hydrostatic testing. For bidding purposes, the shop testing shall follow the requirements under Specification Section 35 21 82, paragraph 3.02. An addendum to this contract will be issued to specify the requirements for the 100% NDT on the square-to-round transition.

Question	Response
Please confirm if there are any domestic requirements for this project. If so, what's the applicable regulation/statute (ie. BABA, AIS, etc.)	The Buy America Build America Act and American Iron and Steel provision do not apply to this project. There are no other regulations or statutes related to domestic requirements which apply to the project. However, there are some products which are specified within Volume 2 – Specifications, which are only produced domestically and, in some cases, no substitutions are allowed.
Section 35 21 82, Part 2.03.B: please clarify if the square-to-round transition for the 75in steel conduit requires a shop hydrostatic test.	100% NDT for the square-to-round transition is allowable in lieu of the hydrostatic testing. For bidding purposes, the shop testing shall follow the requirements under Specification Section 35 21 82, paragraph 3.02. An addendum to this contract will be issued to specify the requirements for the 100% NDT on the square-to-round transition.
Per Section 01 14 12, Item 1.02.J – work restrictions require G Canal, including the G-Canal turnout and all associated features, shall be constructed prior to May1, 2027. Does this date restriction apply to G Canal electrical including gate motors and power supply?	The relocated G-Canal and G-Canal turnout structure must be operational for required irrigation deliveries by May 1st, 2027. The manually operated gate actuator may be used to operate the G-Canal slide gate during the 2027 irrigation season until permanent power is available at a later date.

ATTACHMENTS UPLOADED TO QUESTCDN IN RESPONSE TO QUESTIONS FROM THE PLANHOLDERS

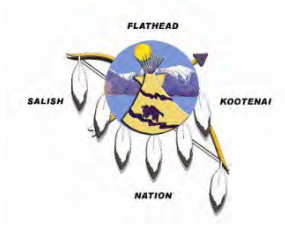
Kicking Horse Dam and Outlet Works Modification

Quest eBidDoc™ Number: 10224006

Closing Date: Wed, 08/12/2026 04:00 PM MDT **Posting Type:** Construction Project **Owner Name:** Confederated Salish & Kootenai Tribes - Safety of Dams Program **Solicitor Name:** Confederated Salish & Kootenai Tribes **Contact:** Trevor Bras **Phone:** 406-675-2700 **Email:** trevor.bras@cskt.org

Company Name & Address	Contact Name/Email Address	Phone/Fax	Bus. Cert	Bus. Desig	Entry Date	Doc Type	Comments ⓘ
Confederated Salish & Kootenai Tribes 42487 Complex Blvd., Pablo, MT-59855	Gregory Wilson gregory.wilson@cskt.org	406-676-2600		Project Owner	06/16/2026	eBidDoc	
NW Construction 904 Walleye Road, Bozeman, MT-59718	Casey Patterson casey.patterson@nwconstruction.us	406-587-1907 406-587-4151		Prime Bidder	06/16/2026	eBidDoc	
Cascade Civil Corp 255 SE Black Butte Blvd, Redmond, OR-97756	Paul MacClanahan paulm@cascadecivilcorp.com	541-527-1400		Subcontractor	06/16/2026	eBidDoc	
LHC, Inc 1179 Stillwater Road, Kalispell, MT-59901	David Steely dave@lhcm.com	406-758-6420 406-758-6430		Prime Bidder	06/16/2026	eBidDoc	
Montana Civil Contractors, Inc. 62 Skyway Blvd., Belgrade, MT-59714	Bob Koch bobk@montanacivil.com	406-388-1740 406-388-5105	VOSB	Prime Bidder	06/16/2026	eBidDoc	
Forgen 6020 West Oaks Blvd Suite 220, Rocklin, CA- 95765	Suzanne Grix proposals@for-gen.com	9164626400		Prime Bidder	06/16/2026	eBidDoc	
Flathead Valley Plans Exchange 2303 US HIGHWAY 2 E, KALISPELL, MT- 599012835	Sarah Hansen planex@kalcopy.com	4067555888		Plan Room	06/16/2026	eBidDoc	
Prospect Construction Inc. Missoula, MT 2605 W Broadway, Unit B, Missoula, MT-59808	Chris Janes bids@prospectconst.com	406-493-1300		Prime Bidder	06/16/2026	eBidDoc	
Knife River Corporation - Mountain West 5450 W. Gowen Road, Boise, ID-83709	Rick Teegarden richard.teegarden@kniferiver.com	208-362-6152 208-562-5045		Prime Bidder	06/16/2026	eBidDoc	
Phillips & Jordan 10142 Parkside Drive, Knoxville, TN-37922	Addie Allen aallen@pandj.com	865.392.3038		Prime Bidder	06/17/2026	eBidDoc	
ODIN 2901 Douglas Blvd., Roseville, CA-95661	Kristine Ruesch kruesch@odinenv.com	916-251-5500		Prime Bidder	06/17/2026	eBidDoc	
Dick Anderson Construction, Inc. 4512 S. Frontage Rd, Billings, MT-59107	Cory Frizzell cfrizzell@daconstruction.com	406-248-3700 406-248-3776		Prime Bidder	06/17/2026	eBidDoc	
ALS Infrastructure, LLC 6790 S Dawson Circle, Centennial, CO-80112	Ian Broste ibroste@ais-infrastructurellc.com	707-561-2255	DBE,MBE,SBE	Prime Bidder	06/18/2026	eBidDoc	
Syblon Reid 1130 Sibley Street, Folsom, CA-95630	Brad Schieckoff Estimating@srco.com	916-351-0457 916-351-1674		Subcontractor	06/18/2026	eBidDoc	
Keller North America, Inc. 100 Stickle Ave, Rockaway, NJ-07866	Gunni Nixon gunni.nixon@keller-na.com	973-627-2100		Subcontractor	06/23/2026	eBidDoc	
Strods Contracting PO Box 2180, Kalispell, MT-59903	owen strods office@strodscontracting.com	406-551-5287	SBE	Subcontractor	06/23/2026	eBidDoc	

<u>Company Name & Address</u>	<u>Contact Name/Email Address</u>	<u>Phone/Fax</u>	<u>Bus. Cert</u>	<u>Bus. Desig</u>	<u>Entry Date</u>	<u>Procurement</u>	<u>Work Item</u>
CSKT PO Box 278, Pablo, MT - 59855	Trevor Bras trevor.bras@cskt.org	4066752700		Project Owner	06/23/2026	Paper	
McMillen, Inc. 1471 Shoreline Dr., Boise, ID-83702	Curtis Neibaur estimating@mcmillen.com	208-342-4214		Prime Bidder	06/23/2026	eBidDoc	
ConstructConnect 3825 Edwards Rd, Cincinnati, OH-45209	CCAPI content@constructconnect.com	800-364-2059 866-570-8187		Plan Room	06/24/2026	eBidDoc	
ConstructConnect 3825 Edwards Rd, Cincinnati, OH-45209	Eric Mills content@constructconnect.com	800-364-2059 866-570-8187		Plan Room	06/25/2026	eBidDoc	
TrueNorth Steel 1522 40th St N, Fargo, ND-58102	Jason Mayer Jason.Mayer@TrueNorthSteel.com	701-282-0910 701-281-1993		Supplier	06/26/2026	eBidDoc	
Marine Solutions, Inc. 225 Industry Pkwy, Nicholasville, KY-40356	Don Wilkins dwwilkins@msimarinolutions.com	859-260-1055 859-554-4100	WOSB	Subcontractor	06/30/2026	eBidDoc	
COP Construction LLC 242 South 64th Street West, Billings, MT-59106	Jason Fenhaus mtbid@copconstruction.com	406-656-4632 406-655-9286		Prime Bidder	07/01/2026	eBidDoc	
Thompson Pipe - Pressure 1003 MacArthur Blvd, Grand Prairie, TX-75050	Jeff Peterson jpeterson@one-tpg.com	4058213428		Supplier	07/08/2026	eBidDoc	
ISCO2 100 Witherspoon, Louisville, KY-40202	Steve Delks steve.delks@isco-pipe.com	248-705-5721 502-568-4061		Supplier	07/14/2026	eBidDoc	
Northwest Linings & Geotextile Products, Inc. 20824 77th Avenue South, Kent, WA-98032	Estimating Department estimating@northwestlinings.com	253-872-0244 253-872-0245	Vet Pref	Subcontractor	07/21/2026	eBidDoc	



**THE CONFEDERATED SALISH & KOOTENAI TRIBES
DEPARTMENT OF NATURAL RESOURCES –
DIVISION OF ENGINEERING AND WATER RESOURCES**

SAFETY OF DAMS PROGRAM

MEMORANDUM

To: Potential Bidders for the Kicking Horse Dam Modification Project
From: Trevor Bras, P.E., CSKT Safety of Dams Program
Date: 3/12/2026
Re: Permission to visually inspect and walk Kicking Horse Dam for bidding purposes for the Kicking Horse Dam Modification Project

This memo is being provided to potential bidders of the Kicking Horse Dam Project to notify any Tribal game wardens or any other CSKT personnel why they are at the site. Any recreation on CSKT lands by a non-member requires a recreation permit. This memo is intended to preclude needing a recreation permit to be on-site for visually inspecting and walking the dam and nearby for bidding purposes only. Please keep on hand when visiting the site.

Trevor Bras, PE
CSKT Safety of Dams Program
Program Manager
trevor.bras@cskt.org



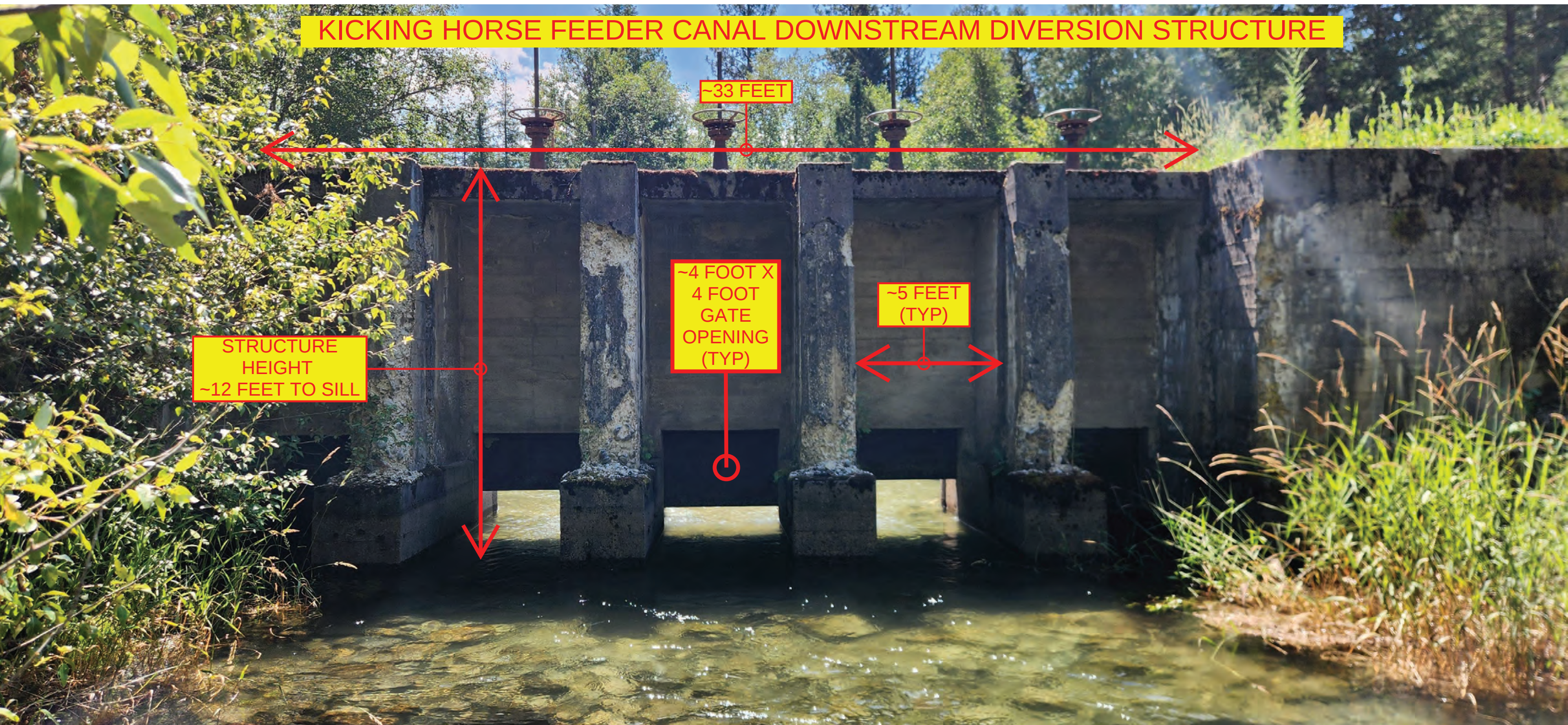
KICKING HORSE FEEDER
CANAL UPSTREAM
DIVERSION STRUCTURE

KICKING HORSE FEEDER
CANAL DOWNSTREAM
DIVERSION STRUCTURE



KICKING HORSE FEEDER
CANAL DOWNSTREAM
DIVERSION STRUCTURE





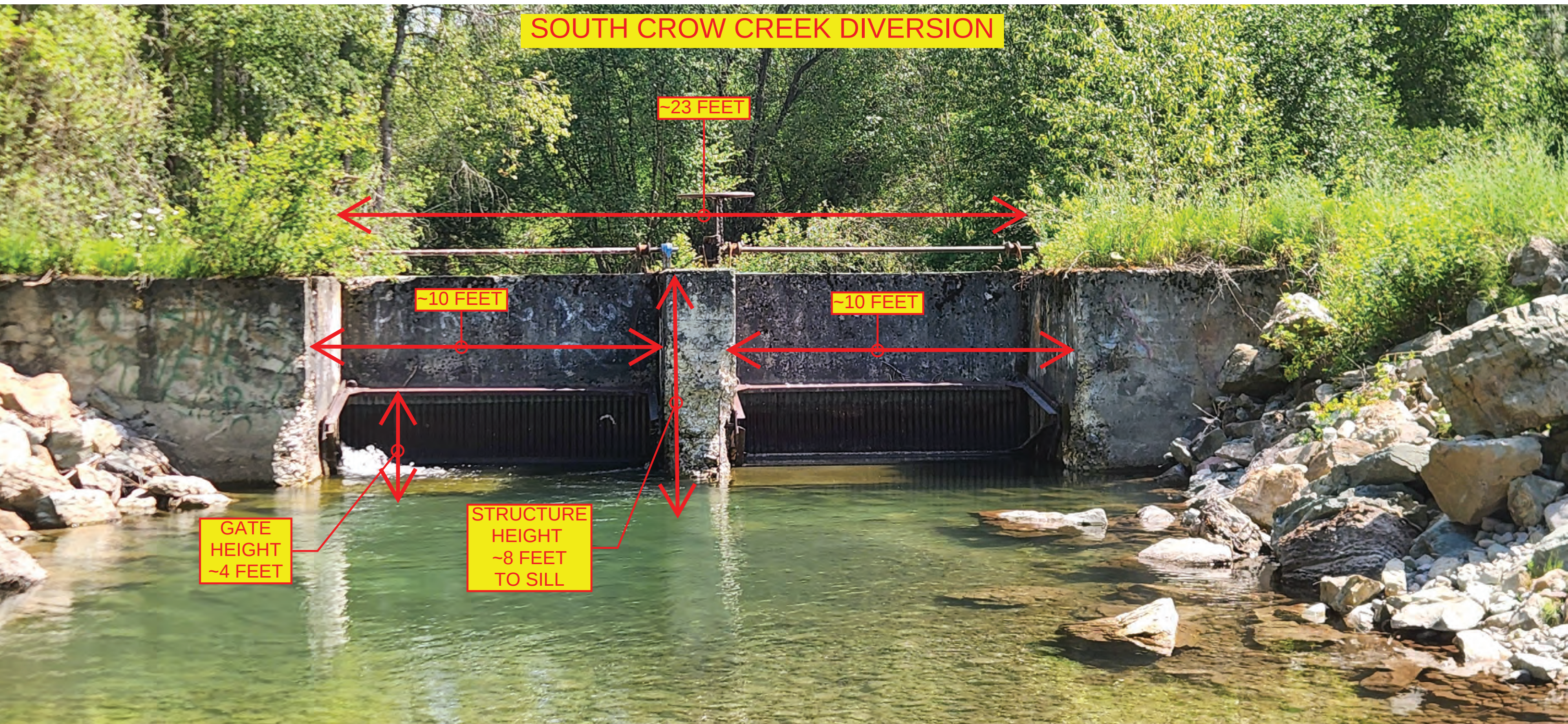


SOUTH CROW CREEK DIVERSION



SOUTH CROW CREEK DIVERSION







PLAN - KICKING HORSE FEEDER CANAL DIVERSION STRUCTURE

NOT TO SCALE

**KICKING HORSE DAM
DAM AND OUTLET WORKS MODIFICATION
SOLICITATION/SPECIFICATIONS
CSKT/SOD 26-139**

**PRE-BID CONFERENCE
SALISH AND KOOTENAI COLLEGE
ROBERT R DEPOE III BUILDING ROOMS 142 & 143
58138 US-93, PABLO, MT 59855
JUNE 30, 2026 – 9:00 AM (Mountain Standard Time)**

Microsoft Teams meeting

Join: <https://teams.microsoft.com/join/258052718438704?p=uo3sKA2Z6yTGz4LuhT>

Meeting ID: 258 052 718 438 704

Passcode: 89Bp6vj6

AGENDA

Trevor Bras: Welcome & Introductions

- CSKT/SOD Kicking Horse Dam History
- **Questions and clarifications shall be sent through the QuestCDN “Q&A/Info” tab and will not be fielded during the pre-bid meeting.**
- Key Personnel
 - Owner – Confederated Salish and Kootenai Tribes
 - Project Manager – Trevor Bras
 - Alternate Project Manager – Greg Wilson
 - Owner’s Representative – Ryan Gewargis
 - USBR Design Team Lead – Kevin Cashman
 - USBR Peer Reviewer – Chris Slaven
 - USBR Project Engineer – Silas Biggin
 - USBR Construction Contract Analyst – Greg Hayes
 - USBR Construction Control Representative – Amy Talarico
 - CSKT Project Engineer – Magdalena Francois
 - CSKT Inspector – Matthew ManyHides

Melinda Charlo: Discussion on Indian Preference and Coordination with Indian Preference Office

Chris Slaven: General Overview Presentation on the Kicking Horse Dam Project Elements

Trevor Bras: Review of structure of Volumes 1 through Volume 6

- Volume 1: Contracting Requirements
 - SECTION 00100 – Advertisements for Bid
 - SECTION 00200 – Instructions to Bidders for Construction Contract
 - SECTION 00410 – Bid Form for Construction Contract
 - SECTION 00451 – Qualifications Statement
 - SECTION 00510 – Notice of Contingent Award
 - SECTION 00520 – Agreement between Owner and Contractor for Construction Contract

- SECTION 00700 – Standard General Conditions of the Construction Contract
- SECTION 00800 – Supplementary Conditions of the Construction Contract
- SECTION 00900 – Special Provisions and Forms
- Volume 2: Specifications
- Volume 3: Design Drawings and Standard Drawings
- Volume 4: Technical Data
- Volume 5: Other Site-Related Data
- Volume 6: Stormwater Pollution Prevention Plan

General Overview of Volume 1 – Contracting Requirements

Trevor Bras:

- Competitive Acquisition: Bids will be comprised of the completed Bid Form and Attachments (Technical Proposal and Price Proposal), completed Qualifications Statements, and Bid Bond
- Bids will be received and opened privately. A proposal evaluation committee will review the proposals and provide recommendations on their acceptability to the Owner.
- Contractors will be evaluated based on the criteria contained in Instructions to Bidders (Section 00200) which also includes the optional Tribal Enterprise Engagement Plan
- Completed Bidding Documents to be uploaded to **Quest CDN (Quest #10224006)**:
 - Completed Bid Form and Attachments (Contained in Section 004100)
 - Bid Bond (Contained in Section 004100)
 - Completed Qualifications Statement and Attachments (Contained in Section 00451)
 - Evidence of Bidders Authority to do Business in the State of Montana
- **All work completed by December 02, 2029 (1116 calendar days from approximately November 13, 2026 to December 02, 2029)**
- Federal Davis Bacon Wage Rates – See MT20260078 in Section 009900.
- Contractors will be required to pay fringe benefits and zone pay on all paychecks.
- Contractors will be required to submit certified payrolls for all persons working on the Project.
- Project is located 52 miles from the Missoula County Courthouse in Missoula, MT for calculating of Zone Pay. This is the shortest practical maintained route (via US-93/Kicking Horse Rd) from the nearest County Courthouse to the center of the job.
- Contractors will be required to obtain a waiver to visit the site during the bidding phase. For more information on the waiver please contact Trevor Bras at 406-675-2700 EXT. 6208.
- All questions and clarifications related to the Contract Documents will be handled through the “Q&A/Info” tab through the QuestCDN website.
- Written questions and responses (via QuestCDN website) to be included in Addendum 001 will no longer be accepted after **4:00 PM (MST): July 08, 2026**
- Addendum 001 is likely to be released on **July 21, 2026**
- All bidders must acknowledge Addendum 001 prior to submitting a bid through vBid on the QuestCDN website.
- The Bid Deadline is displayed on Quest CDN with a countdown clock and shall be **4:00 PM (MST): July 28, 2026**
- Bid Opening: **July 29, 2026** (Private)

General Overview of Volume 2 – Specifications

Chris Slaven:

- Section 01 12 40 – Construction Sequencing

- Various construction sequence requirements which must be adhered to with major phases of the project anticipated to proceed as follows:
 - Borrow Area Access Road and G Canal Relocation completed by May 1, 2027
 - Construction of Cement Bentonite Slurry Cutoff Wall within Kicking Horse Dam shall be performed between July 15, 2027 and November 1, 2027.
 - Water diversions from the Kicking Horse Feeder Canal to the Ninepipe Feeder Canal and G Canal are required from July 9, 2028 to September 15, 2028.
 - Construction of the cofferdam, excavation of the embankment and foundation, removal and replacement of existing outlet works, and construction of zoned embankment shall occur between July 15, 2028 and May 15, 2029.
- Section 01 14 10 – Use of Site
 - Disturbance limits shall be strictly adhered to during construction.
 - Flathead Indian Irrigation Project (FIIP) will require unrestricted access to the site during construction
 - CSKT SOD personnel will need access to the piezometers along Kicking Horse Dam throughout the construction period for monitoring purposes
- Section 01 14 12 – Work Restrictions
 - Contractor cannot perform work on Tribal/Federal Holidays listed in the Specifications
 - Road closures, minimum stockpile volumes, work hours, and schedule constraints are listed
- Section 01 14 20 – Reservoir and Feeder Canal Operations
 - FIIP will operate the Feeder Canals with no restrictions prior to July 14, 2028.
 - Water diversions into Kicking Horse Reservoir via the South Crow Feeder Canal will stop on July 14, 2028.
 - The reservoir will be drawn down to EL. 3039.5 by July 14, 2028.
 - The reservoir draw down shall remain in effect until May 15, 2029.
 - Canal deliveries via the Kicking Horse Feeder Canal shall be diverted between July 9, 2028 and September 15, 2028.
 - Water diversions in the Kicking Horse Feeder Canal will stop on September 15, 2028.
 - Contractor shall install temporary cofferdams to prevent gate leakage at the South Crow Creek Diversion Dam and the Kicking Horse Feeder Canal Diversion Dam.
- Section 01 33 00 – Submittals
 - Table 01 33 00A – List of Submittals (with preliminary due dates)
 - Importance of timely submission of required submittals to maintain construction schedule
- Section 01 35 20 – Safety and Health
 - Reclamation Safety and Health Standards
 - Grizzly Bear habitat and necessary precautions
- Section 01 35 30 – Contractor's On-Site Safety Personnel
 - On-site Safety Representative
 - Part-Time Onsite Safety and Health Professional (no other duties)
 - Certified Industrial Hygienist
- Section 01 46 00 – Quality Control
 - Three-Phase Control System: Preparatory Phase, Initial Phase, and Follow-Up Phase
- Section 01 46 20 – Testing Agency Services
 - Contractor is required to provide individual 3rd party materials testing for all items that will need to be tested as noted in the Specifications for Quality Control including on-site and off-site testing.
- Section 01 51 00 – Temporary Utilities
 - Coordination with Mission Valley Power. MVP will provide a 1 MVA transformer for temporary construction power.
 - Temporary Water

- Section 01 55 20 – Traffic Control
 - The Traffic Control Plan shall be prepared by a Third Party and approved by MDT/Lake County. The Third Party is solely responsible for setup, continuous maintenance and removal of all traffic control devices and personnel.
- Section 01 56 10 – Protection of Existing Installations
 - Piezometers and Early Warning System.
- Section 01 57 90 – Preservation of Historical and Archaeological Data
 - Tribal Preservation Awareness Training may occur at some point in the future
- Section 01 57 12 – Protection of Existing Wetlands
 - All wetlands outside of the disturbance limits shown on the drawings shall be preserved. Pingos will be treated as wetland habitat.
- Section 01 57 60 – Protected Species
- Section 01 64 40 – CSKT-Furnished Products
 - CSKT will furnish HDPE pipe for canal deliveries and seed mixtures for revegetation.
- Section 01 71 20 – Surveying
 - Contractor is responsible for providing construction surveying and staking performed under the direction of a Professional Land Surveyor or Professional Engineer.
- Section 03 30 00 – Cast-in Place Concrete
 - Both an onsite batch plant and/or Redi-mix are allowed for producing concrete for the project
 - RSMC – Reinforced Structural Mass Concrete and Temperature Control Plan
 - Note requirements for ASR testing of all aggregates, shrinkage testing of structural concrete, and use of supplementary cementitious materials.
 - Cold weather conditions are anticipated during construction. Contractors to incorporate cold weather concrete placement and protection measures as needed to facilitate construction and meet specified requirements.
- Section 13 34 21 – Gate House System
 - Contractor designed gate house based on loads provided in the Drawings and Specifications
- Section 31 03 30 – Canal Deliveries During Construction
 - Contractor required to have a professional engineer design a pumped diversion to meet the variable flow rates listed for G-Canal and the Ninepipe Feeder Canal.
- Section 31 03 33 – Removal and Control of Water
 - Contractor is responsible for designing, furnishing, installing, operating, maintaining, and removing unwatering system to facilitate construction.
- Section 31 23 02 – Compacting Earth Materials
 - Table 31 23 02A – Contractor Materials Testing and Frequency
- Section 31 24 10 – Embankment General
 - Contractor required to construct zoned earthfill embankment from Zones 1 through 5
 - Requirements for Zone 1 earthfill can be found in Section 31 24 11 – Zone 1 Impervious Earthfill Material
- Section 31 24 12 – Zone 2 – Filter Sand
 - See Section 51 00 30 – Evaluation of Potential Filter Sand Sources
- Section 31 56 20 – Cement Bentonite Slurry Cutoff Wall
 - See Section 51 00 40 - Cement-Bentonite Mix Design for Kicking Horse Dam Cutoff Wall
 - Full-scale test placement and Quality Control testing
- Division 51 - Information Available to Offerors
 - Various forms of data, reports, and laboratory testing which are relevant to the project but not specific to the subsurface conditions at the site.

General Overview of Volume 3 – Design Drawings and Standard Drawings

Chris Slaven:

- Standard drawings may show details which are not a part of the work under this contract. Disregard details shown on these drawings which are not applicable to work under this contract.
- Drawings have sequential page numbers in the upper right-hand corner. Drawings numbered 156 through 163 are contained in Volume 5 – Other Site-Related Documents.

General Overview of Volume 4 – Technical Data

Chris Slaven:

- Various forms of borings, logs, laboratory testing and reports which are relevant to the project and specific to the subsurface conditions at the site:
 - Section 51 00 60 – Instrumentation Data
 - Section 53 10 00 – Geologic Investigations
 - Section 53 20 00 – Records of Geologic and Subsurface Investigations
 - Reference Geology Logs and Drawings (numbered G1 through G372)
 - “Geologic Design Data Report, Kicking Horse Dam, Flathead Irrigation and Power Project, Montana,” U.S. Department of Interior, Bureau of Reclamation, Columbia-Pacific Northwest Regional Office, Geology and Exploration Services, Boise, Idaho, December 2021
 - “Kicking Horse Dam Geologic Design Data Report, Confederated Salish and Kootenai Tribes, Flathead Reservation, Montana,” U.S. Department of Interior, Bureau of Reclamation, Technical Service Center, Denver, Colorado, June 2016.
 - “TM No. 8550-2021-28 Addendum 08/2023 Geotechnical Laboratory Soils Testing Results,” Bureau of Indian Affairs, Northwest Region, Kicking Horse Dam, Montana, Bureau of Reclamation, Technical Service Center, Denver, Colorado, August 2023.
 - “TM No. 8530-2016-29 Geotechnical Laboratory Testing to Characterize Foundation Material”, Bureau of Indian Affairs, Flathead Indian Reservation, Kicking Horse Dam, MT, Bureau of Reclamation, Technical Service Center, Denver, Colorado, September 2016.

General Overview of Volume 5 – Other Site-Related Documents

Ryan Gewargis:

- Kicking Horse Dam Original Design Drawings
 - These drawings are not as-built drawings. No as-built drawings exist for the original construction.
- Mission Valley Power - Padmount Transformer Foundation Drawing
- Glacier Precast – Three Phase Electrical Vault Drawing

General Overview of Volume 6 – Stormwater Pollution Prevention Plan

Ryan Gewargis:

- Selected contractor will be required to use the CSKT prepared SWPPP as their SWPPP template.

SITE VISIT TO KICKING HORSE DAM TO FOLLOW AFTER A 30 MINUTE LUNCH BREAK. PRINTED OUT DIRECTIONS TO THE SITE ARE AVAILABLE IF NEEDED

**KICKING HORSE DAM AND OUTLET WORKS MODIFICATION
SOLICITATION/SPECIFICATIONS
CSKT/SOD 26-139**

**PRE-BID MEETING
SALISH AND KOOTENAI COLLEGE ROBERT R DEPOE III
BUILDING ROOMS 142 & 143 58138 US-93, PABLO, MT 59855
JUNE 30, 2026 - 9:00 AM (Mountain Standard Time)**

SIGN-IN SHEET

Name:	JORDAN COLE
Company:	TJ GARDNER COMPANY
Address:	2208 PAULINE DRIVE
Phone:	406 - 499-6560
Email:	jordan@tjgardnercompany.com
Prime Contractor or Sub?	SUB (ELECTRICAL)
Planholder (circle one):	☒ YES ☐ NO

Name:	Mike Eichner
Company:	Knife River
Address:	4800 Wilkie St. Missoula, MT 59808
Phone:	406-207-0258
Email:	mike.eichner@knifriver.com
Prime Contractor or Sub?	Prime
Planholder (circle one):	☒ YES ☐ NO

Name:	Tino Maestas	
Company:	Odin Environmental Solutions	
Address:	2901 Douglas Blvd, Suite 300 Roseville, CA 95661	
Phone:	916-660-3623	
Email:	Tino@odinenv.com	
Prime Contractor or Sub?	Yes - Prime Contractor	
Planholder (circle one):	☒ YES	☐ NO

Name:	Josh Hoffmann & John Rippe	
Company:	northwest pipe fittings	
Address:	1780 N Hwy 35 Kalispell, MT	
Phone:	(425)-577-9922	
Email:	jshoffmann@northwestpipe.com	
Prime Contractor or Sub?	Supplier	
Planholder (circle one):	☐ YES	☒ NO

Name:	Shawna Friedlander	
Company:	IPO	
Address:		
Phone:	675-2700 x 1393	
Email:	Shawna.friedlander@eskt.org	
Prime Contractor or Sub?		
Planholder (circle one):	YES	NO

Name:	Justin Hubbard	
Company:	Knife River	
Address:	4800 Wilkie St Missoula, MT 59808	
Phone:	406 532 5250	
Email:	justin.hubbard@kniferiver.com	
Prime Contractor or Sub?	Prime	
Planholder (circle one):	(YES)	NO

Name:	James Gunther	
Company:	Prospect Construction	
Address:	6820 Venture Way Missoula, MT 59808	
Phone:	425 628 1555	
Email:	jgunther@prospectconst.com	
Prime Contractor or Sub?	Prim	
Planholder (circle one):	☒ YES	☐ NO

Name:	SAM WEYERS	
Company:	LHC, INC	
Address:	BOX 1179 Knapville MT 59910	
Phone:	406-240-9207	
Email:	samwe@lhcmont.com	
Prime Contractor or Sub?	PRIME / SUB	
Planholder (circle one):	☒ YES	☐ NO

Name:	ANDREW CARSON	
Company:	DICK ANDERSON CONSTRUCTION	
Address:	3424 HIGHWAY 12 EAST HELENA, MT 59601	
Phone:	406-544-0181	
Email:	ANDREW.CARSON@DACONSTRUCTION.COM	
Prime Contractor or Sub?	PRIME	
Planholder (circle one):	☒ YES	☐ NO

Name:	LOUIE MILLER	
Company:	DICK ANDERSON CONSTRUCTION	
Address:	7168 EXPRESSWAY MISSOULA, MT 59808	
Phone:	406-360-6673	
Email:	LMILLER@DACONSTRUCTION.COM	
Prime Contractor or Sub?	PRIME	
Planholder (circle one):	☒ YES	☐ NO

Name:	JAMES GRIER	
Company:	McMillen Inc.	
Address:	1471 Shoreline Dr. Ste 100 Boise, ID 83702	
Phone:	817-828-1101	
Email:	grier@mcmillen.com	
Prime Contractor or Sub?	Prime	
Planholder (circle one):	☒ YES	☐ NO

Name:	STAN DUADALE	
Company:	PROSPECT CONSTRUCTION	
Address:	4820 VENTURE WAY MISSOULA, MT 59808	
Phone:	(406) 552-9125	
Email:	sduadale@prospectconstruction.com	
Prime Contractor or Sub?	PRIME	
Planholder (circle one):	☒ YES	☐ NO

Name:	PAUL MACCLANAHAN	
Company:	CASCADE CIVIL CORP	
Address:	255 SE BLACK BUTTE BLVD REDMOND, OR 97756	
Phone:	541-527-1400	
Email:	PAULM@CASCADECIVILCORP.COM	
Prime Contractor or Sub?	SUB - CONCRETE	
Planholder (circle one):	☒ YES	☐ NO

Name:	Bryce Lyman	
Company:	COP Construction	
Address:	242 S. 64th Street West Billings, MT 59106	
Phone:	307-660-1500	
Email:	blyman@copconstruction.com	
Prime Contractor or Sub?	sub	
Planholder (circle one):	☒ YES	☐ NO

Name:	Braydon Jenkins	
Company:	Knife River	
Address:	2651 Wilma Dr. Clarkston, WA 99403	
Phone:	208-361-8059	
Email:	braydon-jenkins@kniferiver.com	
Prime Contractor or Sub?	☒ YES ☐ NO	
Planholder (circle one):	☒ YES ☐ NO	

Name:	Bob Koch	
Company:	BSC-MCC JV	
Address:	PO BOX 1019 Belgrade MT 59714	
Phone:	406-599-8517	
Email:	bobk@montanacivil.com	
Prime Contractor or Sub?	☒ YES ☐ NO	
Planholder (circle one):	☒ YES ☐ NO	

Name:	STEVEN ARTMAN
Company:	GEO-SOLUTIONS
Address:	1458 GREENSBURG RD NEW KENSINGTON, PA
Phone:	(303) 936-5252
Email:	SARTMAN@GEO-SOLUTIONS.COM
Prime Contractor or Sub?	SUB
Planholder (circle one):	☒ YES ☐ NO

Name:	Joshua Barabba
Company:	Montana Civil Contractors
Address:	62 Skyway Blvd Belgrade, MT 59714
Phone:	406 388 1740
Email:	Josh@montana-civil.com
Prime Contractor or Sub?	Prime
Planholder (circle one):	☒ YES ☐ NO

Name:	Frank Tabish	
Company:	LHC, Inc	
Address:	Box 7338 Kalispell, MT 59904	
Phone:	406 758-6420	
Email:	frank@lhcmnt.com	
Prime Contractor or Sub?	Both	
Planholder (circle one):	☒ YES	☐ NO

Name:	Casey Patterson	
Company:	NW Construction, Inc.	
Address:	904 Walleye Road Bozeman, MT 59718	
Phone:	406-899-1221	
Email:	Casey.Patterson@nwconstruction.us	
Prime Contractor or Sub?	Prime	
Planholder (circle one):	☒ YES	☐ NO

Name: <i>David Carnes</i>		
Company: <i>DCX Earthworks</i>		
Address: <i>48450 Detour rd E Edwall WA 99008</i>		
Phone: <i>509-264-1064</i>		
Email: <i>David@DCXdirT.COM</i>		
Prime Contractor or Sub?		
<i>Sub excavation</i>		
Planholder (circle one):	YES	<u>NO</u>

Name:		
Company:		
Address:		
Phone:		
Email:		
Prime Contractor or Sub?		
Planholder (circle one):	YES	NO

Name:	GIVEN ALEXANDER	
Company:	USBR	
Address:	Denver Fed Center	
Phone:	949 351 1386	
Email:	GALEXANDER@USBR.GOV	
Prime Contractor or Sub?	DESIGNER	
Planholder (circle one):	YES	NO

Name:	Kevin Cashman	
Company:	USBR	
Address:	Denver Fed. Center	
Phone:	606 228 6798	
Email:	kcashman@usbr.gov	
Prime Contractor or Sub?	Designer	
Planholder (circle one):	YES	NO

Name:	Chris Houck	
Company:	Foregen	
Address:		
Phone:	406 370 0977	
Email:	chouck@foregen.com	
Prime Contractor or Sub?	Prime	
Planholder (circle one):	☒ YES	☐ NO

Name:		
Company:		
Address:		
Phone:		
Email:		
Prime Contractor or Sub?		
Planholder (circle one):	☐ YES	☐ NO

Name:	Brian Tabata	
Company:	Forgen LLC	
Address:	9036 NW 144th Trail Okeechobee FL 34972	
Phone:	315-408-7457	
Email:	BTAB@LTOFORGEN.COM	
Prime Contractor or Sub?		
Planholder (circle one):	YES	NO

Name:		
Company:		
Address:		
Phone:		
Email:		
Prime Contractor or Sub?		
Planholder (circle one):	YES	NO

Name:	Jon Horton	
Company:	Rehbein Enterprises Inc	
Address:	5 Meadow Ct Plains MT 59859	
Phone:	(541) 359-7871	
Email:	Jon@rehbeinenterprises.com	
Prime Contractor or Sub?	Sub	
Planholder (circle one):	YES	<u>NO</u>

Name:		
Company:		
Address:		
Phone:		
Email:		
Prime Contractor or Sub?		
Planholder (circle one):	YES	NO

Name:	OLIVER L. ST. CLAIR	
Company:	ST. CLAIR CONSTRUCTION INC.	
Address:	911 MIDDLE BURNT FORK RD STEVENSVILLE - MT. 59870	
Phone:	406-382-0039	
Email:	STCLAIR@BLACKFOOT.NET	
Prime Contractor or Sub?	SUB	
Planholder (circle one):	(YES)	NO

Name:		
Company:		
Address:		
Phone:		
Email:		
Prime Contractor or Sub?		
Planholder (circle one):	YES	NO

Name:	Mobile Rock Crushing	
Company:	MAAC Andrew S	
Address:	688 winding CR TR1 CORVALLIS MT 59828	
Phone:	406 334 3024	
Email:	MAAC MRCTRUCKING406@gmail.com	
Prime Contractor or Sub?	SUB	
Planholder (circle one):	☒ YES	☐ NO

Name:	MRC TRUCKING	
Company:	MAAC Andrew S	
Address:	688 winding Creek TR1 CORVALLIS MT 59828	
Phone:	406 334 3024	
Email:	MRCTRUCKING6@gmail.com	
Prime Contractor or Sub?	SUB	
Planholder (circle one):	☒ YES	☐ NO

Name:	Dan Herringer	
Company:	Williams Civil Const.	
Address:	3959 Whippoorwill drive	
Phone:	406-595-7651	
Email:	DHerringer@willcivil.com	
Prime Contractor or Sub?	Prime + Sub	
Planholder (circle one):	☒ YES	☐ NO

Name:	Hassan Mohammad	
Company:	FORGEN	
Address:	California	
Phone:	973-519-1691	
Email:	hassan.mohammad@forgen.com	
Prime Contractor or Sub?		
Planholder (circle one):	☐ YES	☒ NO

Name:	Trelton Harding	
Company:	Harding Civil Construction	
Address:	P.O. Box 295 Pablo, MT 59855	
Phone:	406-871-5040	
Email:	Treltonharding@gmail.com	
Prime Contractor or Sub?		
Planholder (circle one):	YES	<u>NO</u>

Name:	Gary Cote	
Company:	CROSS DIAMOND BOOM SERVICE, INC.	
Address:	P.O. Box 215 RONAN, MT. 59864	
Phone:	406-261-8503	
Email:	crossdiamond@blackfoot.net	
Prime Contractor or Sub?	CRANE SERVICE	
Planholder (circle one):	YES	<u>NO</u>

Name:	Tony Trotter / Jacob Zehner	
Company:	DSS Electric	
Address:	209 Old Corvallis Rd Hamilton MT 59840	
Phone:	406-363-1922	
Email:	Jacob@DSSElectric.com	
Prime Contractor or Sub?	Sub	
Planholder (circle one):	☒ YES	☐ NO

Name:		
Company:		
Address:		
Phone:		
Email:		
Prime Contractor or Sub?		
Planholder (circle one):	YES	NO

Name: DAVID RAMERT		
Company: LIBERTY ELECTRIC		
Address: 9600 SUMMIT DR. MISSOULA, MT		
Phone: 406-532-1110		
Email: david.ramert@Libertyelectricinc.com		
Prime Contractor or Sub? SUB		
Planholder (circle one):	YES	NO

Name: Ian Strads		
Company: STRADS CONTRACTING		
Address: MISSOULA PO BOX 2801 KALISPELL, MT 59901		
Phone: 406-548-7604		
Email: ian@stradscontracting.com		
Prime Contractor or Sub? SUB		
Planholder (circle one):	(YES)	NO

Name:	Chris Slaven	
Company:	BOR	
Address:	Denver Federal Center	
Phone:	303 717 7855	
Email:	cslaven@usbr.gov	
Prime Contractor or Sub?	Designer	
Planholder (circle one):	YES	NO

Name:	RYAN GEWARGS	
Company:	RGCIVIL CONSULTING	
Address:	4733 POTTER PARK LOOP MISSOULA, MT 59808	
Phone:	847-528-9905	
Email:	RGCIVILCONSULTING@GMAIL.COM	
Prime Contractor or Sub?	N/A	
Planholder (circle one):	YES	NO

EMAILS SENT TO PLANHOLDERS VIA QUESTCDN REGARDING THE BIDDING PROCESS

Back

06/24/2026 11:39 AM

Gregory Wilson <8032258_125072@questmessenger.com>

Kicking Horse Dam and Outlet Works Modification - #10224006

To: 8032258_125072@questmessenger.com

The message below was sent to the following plan holders.

Company: Confederated Salish & Kootenai Tribes, WY

Contact: Gregory Wilson

Email Address: gregory.wilson@cskt.org

Company: NW Construction

Contact: Casey Patterson

Email Address: casey.patterson@nwconstruction.us

Company: Cascade Civil Corp

Contact: Paul MacClanahan

Email Address: paulm@cascadecivilcorp.com

Company: LHC, Inc

Contact: David Steely

Email Address: dave@lhcm.com

Company: Montana Civil Contractors, Inc.

Contact: Bob Koch

Email Address: bobk@montanacivil.com

Company: Forgen

Contact: Suzanne Grix

Email Address: proposals@forgen.com

Company: Flathead Valley Plans Exchange

Contact: Sarah Hansen

Email Address: planex@kalcop.com

Company: Prospect Construction Inc. Missoula, MT

Contact: Chris Janes

Email Address: bids@prospectconst.com

Company: Knife River Corporation - Mountain West

Contact: Rick Teegarden

Email Address: richard.teegarden@kniferiver.com

Company: Phillips & Jordan

Contact: Addie Allen

Email Address: aallen@pandj.com

Company: ODIN

Contact: Kristine Ruesch

Email Address: kruesch@odinenv.com

Company: Dick Anderson Construction, Inc.

Contact: Cory Frizzell

Email Address: cfrizzell@daconstruction.com

Company: AIS Infrastructure, LLC

Contact: Ian Broste

Email Address: ibroste@ais-infrastructurellc.com

Company: Syblon Reid

Contact: Brad Schieckoff

Email Address: Estimating@srco.com

Company: Keller North America, Inc.

Contact: Gunni Nixon

Email Address: gunni.nixon@keller-na.com

Company: Strods Contracting
Contact: owen strods
Email Address: office@strodscontracting.com

Company: CSKT
Contact: Trevor Bras
Email Address: trevor.bras@cstk.org

Company: McMillen, Inc.
Contact: Curtis Neibaur
Email Address: estimating@mcmillen.com

Company: ConstructConnect
Contact: CCAPL
Email Address: content@constructconnect.com

All,

This email is just a reminder to please keep an eye on the "Q&A/Info" and "Message Center" on QuestCDN for any important updates regarding the project. It seems that sometimes a notification is going to the email addresses provided by the Planholders and other times it is just staying within the message center on QuestCDN.

Some of the bidders inquired about a teams meeting link being provided for the pre-bid conference. Please see the "Q&A/Info" tab for the answer to this question. A pre-bid meeting agenda will be uploaded to the "Q&A/Info" area and emailed out to all Planholders on Monday 6/29/2026.

Regards,
CSKT Kicking Horse Team

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06/29/2026 04:48 PM

Gregory Wilson <8032258_125072@questmessenger.com>

Kicking Horse Dam and Outlet Works Modification - #10224006 Pre-Bid Meeting Agenda

To: 8032258_125072@questmessenger.com

[KH Pre-Bid Meeting Agenda.pdf](#)**The message below was sent to the following plan holders.**

Company: Confederated Salish & Kootenai Tribes, WY
Contact: Gregory Wilson
Email Address: gregory.wilson@cskt.org

Company: NW Construction
Contact: Casey Patterson
Email Address: casey.patterson@nwconstruction.us

Company: Cascade Civil Corp
Contact: Paul MacClanahan
Email Address: paulm@cascapecivilcorp.com

Company: LHC, Inc
Contact: David Steely
Email Address: dave@lhcm.com

Company: Montana Civil Contractors, Inc.
Contact: Bob Koch
Email Address: bobk@montanacivil.com

Company: Forgen
Contact: Suzanne Grix
Email Address: proposals@forgen.com

Company: Flathead Valley Plans Exchange
Contact: Sarah Hansen
Email Address: planex@kalcop.com

Company: Prospect Construction Inc. Missoula, MT
Contact: Chris Janes
Email Address: bids@prospectconst.com

Company: Knife River Corporation - Mountain West
Contact: Rick Teegarden
Email Address: richard.teegarden@kniferiver.com

Company: Phillips & Jordan
Contact: Addie Allen
Email Address: aallen@pandj.com

Company: ODIN
Contact: Kristine Ruesch
Email Address: kruesch@odinenv.com

Company: Dick Anderson Construction, Inc.
Contact: Cory Frizzell
Email Address: cfrizzell@daconstruction.com

Company: AIS Infrastructure, LLC
Contact: Ian Broste
Email Address: ibroste@ais-infrastructurellc.com

Company: Syblon Reid
Contact: Brad Schieckoff
Email Address: Estimating@srco.com

Company: Keller North America, Inc.

Contact: Gunni Nixon
Email Address: gunni.nixon@keller-na.com

Company: Strods Contracting
Contact: owen strods
Email Address: office@strodscontracting.com

Company: CSKT
Contact: Trevor Bras
Email Address: trevor.bras@cskt.org

Company: McMillen, Inc.
Contact: Curtis Neibaur
Email Address: estimating@mcmillen.com

Company: ConstructConnect
Contact: CCAP
Email Address: content@constructconnect.com

Company: ConstructConnect
Contact: Eric Mills
Email Address: content@constructconnect.com

Company: TrueNorth Steel
Contact: Jason Mayer
Email Address: Jason.Mayer@TrueNorthSteel.com

All,

Please see the attached pre-bid meeting agenda. Please note the change of location for the physical meeting. A link to the Teams meeting is included within the PDF and copied below.

Microsoft Teams meeting

Join: <https://teams.microsoft.com/meet/258052718438704?p=uo3sKA2Z6yTGz4LuhT>

Meeting ID: 258 052 718 438 704

Passcode: 89Bp6vj6

Regards,

CSKT Kicking Horse Team

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07/01/2026 05:28 PM

Gregory Wilson <8032258_125072@questmessenger.com>

Kicking Horse Dam and Outlet Works Modification Pre-Bid Meeting Sign-in Sheet

To: 8032258_125072@questmessenger.com

[KH Prebid Sign-In List 06-30-2026.pdf](#)**The message below was sent to the following plan holders.**

Company: NW Construction
Contact: Casey Patterson
Email Address: casey.patterson@nwconstruction.us

Company: Cascade Civil Corp
Contact: Paul MacClanahan
Email Address: paulm@cascapecivilcorp.com

Company: LHC, Inc
Contact: David Steely
Email Address: dave@lhcm.com

Company: Montana Civil Contractors, Inc.
Contact: Bob Koch
Email Address: bobbk@montanacivil.com

Company: Forgen
Contact: Suzanne Grix
Email Address: proposals@forgen.com

Company: Prospect Construction Inc. Missoula, MT
Contact: Chris Janes
Email Address: bids@prospectconst.com

Company: Knife River Corporation - Mountain West
Contact: Rick Teegarden
Email Address: richard.teegarden@kniferiver.com

Company: ODIN
Contact: Kristine Ruesch
Email Address: kruesch@odinenv.com

Company: Dick Anderson Construction, Inc.
Contact: Cory Frizzell
Email Address: cfrizzell@daconstruction.com

Company: Syblon Reid
Contact: Brad Schieckoff
Email Address: Estimating@srco.com

Company: Keller North America, Inc.
Contact: Gunni Nixon
Email Address: gunni.nixon@keller-na.com

Company: Strods Contracting
Contact: owen strods
Email Address: office@strodscontracting.com

Company: McMillen, Inc.
Contact: Curtis Neibaur
Email Address: estimating@mcmillen.com

Company: TrueNorth Steel
Contact: Jason Mayer
Email Address: Jason.Mayer@TrueNorthSteel.com

Company: Marine Solutions, Inc.

Contact: Don Wilkins
Email Address: dwilkins@msimarinolutions.com

Company: COP Construction LLC
Contact: Jason Fenhaus
Email Address: mtbid@copconstruction.com

All,

Please see the attached scanned sign-in sheets from the pre-bid meeting which occurred on 06-30-2026.

Regards,

CSKT Kicking Horse Team

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07/02/2026 03:06 PM

Gregory Wilson <8032258_125072@questmessenger.com>

Charlo,MT,Kicking Horse Dam and Outlet Works Modification - #10224006

To: 8032258_125072@questmessenger.com

The message below was sent to the following plan holders.

Company: NW Construction
Contact: Casey Patterson
Email Address: casey.patterson@nwconstruction.us

Company: Cascade Civil Corp
Contact: Paul MacClanahan
Email Address: paulm@cascadecivilcorp.com

Company: LHC, Inc
Contact: David Steely
Email Address: dave@lhcm.com

Company: Montana Civil Contractors, Inc.
Contact: Bob Koch
Email Address: bobk@montanacivil.com

Company: Forgen
Contact: Suzanne Grix
Email Address: proposals@forgen.com

Company: Prospect Construction Inc. Missoula, MT
Contact: Chris Janes
Email Address: bids@prospectconst.com

Company: Knife River Corporation - Mountain West
Contact: Rick Teegarden
Email Address: richard.teegarden@kniferiver.com

Company: ODIN
Contact: Kristine Ruesch
Email Address: kruesch@odinenv.com

Company: Dick Anderson Construction, Inc.
Contact: Cory Frizzell
Email Address: cfrizzell@daconstruction.com

Company: Syblon Reid
Contact: Brad Schieckoff
Email Address: Estimating@srco.com

Company: Keller North America, Inc.
Contact: Gunni Nixon
Email Address: gunni.nixon@keller-na.com

Company: Strods Contracting
Contact: owen strods
Email Address: office@strodscontracting.com

Company: CSKT
Contact: Trevor Bras
Email Address: trevor.bras@cskt.org

Company: McMillen, Inc.
Contact: Curtis Neibaur
Email Address: estimating@mcmillen.com

Company: TrueNorth Steel
Contact: Jason Mayer
Email Address: Jason.Mayer@TrueNorthSteel.com

Company: Marine Solutions, Inc.
Contact: Don Wilkins
Email Address: dwilkins@msimarinolutions.com

Company: COP Construction LLC
Contact: Jason Fenhaus
Email Address: mtbid@copconstruction.com

In regards to Option 2 for access to cad files, the email contact per the plan holders list was utilized. If another email contact is needed to be given access please let us know.

[Back](#)

07/02/2026 08:57 AM

Gregory Wilson <8032258_125072@questmessenger.com>

Charlo,MT,Kicking Horse Dam and Outlet Works Modification - #10224006

To: 8032258_125072@questmessenger.com

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Contact: Bob Koch
Email Address: bobk@montanacivil.com

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Contact: Suzanne Grix
Email Address: proposals@forgen.com

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Email Address: bids@prospectconst.com

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Contact: Rick Teegarden
Email Address: richard.teegarden@kniferiver.com

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Email Address: kruesch@odinenv.com

Company: Dick Anderson Construction, Inc.
Contact: Cory Frizzell
Email Address: cfrizzell@daconstruction.com

Company: Syblon Reid
Contact: Brad Schieckoff
Email Address: Estimating@srco.com

Company: Keller North America, Inc.
Contact: Gunni Nixon
Email Address: gunni.nixon@keller-na.com

Company: Strods Contracting
Contact: owen strods
Email Address: office@strodscontracting.com

Company: McMillen, Inc.
Contact: Curtis Neibaur
Email Address: estimating@mcmillen.com

Company: TrueNorth Steel
Contact: Jason Mayer
Email Address: Jason.Mayer@TrueNorthSteel.com

Company: Marine Solutions, Inc.
Contact: Don Wilkins
Email Address: dwilkins@msimarinesolutions.com

Company: COP Construction LLC
Contact: Jason Fenhaus
Email Address: mtbid@copconstruction.com

Notification was provided that bidders are not able access the CAD files via the provided link via the Q&A from yesterday. A second option link has been posted via the Q&A this morning.

[Back](#)

07/09/2026 04:55 PM

Gregory Wilson <8032258_125072@questmessenger.com>

Kicking Horse Dam and Outlet Works End of Questions from Bidders

To: 8032258_125072@questmessenger.com

The message below was sent to the following plan holders.

Company: NW Construction
Contact: Casey Patterson
Email Address: casey.patterson@nwconstruction.us

Company: Cascade Civil Corp
Contact: Paul MacClanahan
Email Address: paulm@cascadecivilcorp.com

Company: LHC, Inc
Contact: David Steely
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Contact: Gunni Nixon
Email Address: gunni.nixon@keller-na.com

Company: Strods Contracting
Contact: owen strods
Email Address: office@strodscontracting.com

Company: CSKT
Contact: Trevor Bras
Email Address: trevor.bras@cskt.org

Company: McMillen, Inc.
Contact: Curtis Neibaur
Email Address: estimating@mcmillen.com

Company: TrueNorth Steel
Contact: Jason Mayer
Email Address: Jason.Mayer@TrueNorthSteel.com

Company: Marine Solutions, Inc.
Contact: Don Wilkins
Email Address: dwilkins@msimarinolutions.com

Company: COP Construction LLC
Contact: Jason Fenhaus
Email Address: mtbid@copconstruction.com

Company: Thompson Pipe - Pressure
Contact: Jeff Peterson
Email Address: jpeterson@one-tpg.com

All,

Please note that bidders may continue submitting questions on QuestCDN beyond the 4:00 PM (Mountain Standard Time) deadline today. However, in accordance with Paragraph 7.03 of Instructions to Bidders (00200), there is no guarantee that questions will be answered if they are submitted after the deadline. The Owner's team will make their best effort to answer as many questions as possible while still meeting the deadline of issuing Addendum 001 by July 21, 2026.

Regards,

CSKT Kicking Horse Team

ATTACHMENT B – BID SCHEDULES

BID SCHEDULE 1: Kicking Horse Dam and Outlet Works Rehabilitation – Lump Sum Contract Line Item Numbers				
CLIN	DESCRIPTION	UNIT	QUANTITY AND UNIT	TOTAL
1	Mobilization and Preparatory Work	1	Lump Sum	\$
2	Removal of Existing Outlet Works Concrete Features	1	Lump Sum	\$
3	Removal of Existing Ninepipe Check Concrete Features	1	Lump Sum	\$
4	Removal of Existing G-Canal Turnout Concrete Features	1	Lump Sum	\$
7	Miscellaneous Metalwork	1	Lump Sum	\$
8	Electrical Walk-in Enclosure Boxes and Transformer Covers	1	Lump Sum	\$
9	Gate House System	1	Lump Sum	\$
10	Heating, Ventilating, and Air-conditioning (HVAC) Systems	1	Lump Sum	\$
22	Grounding and Bonding	1	Lump Sum	\$
29	Wall Penetration Seals	1	Lump Sum	\$
30	Pull and Junction Boxes	1	Lump Sum	\$
31	Medium Voltage Electrical Service Entrance – Contractor	1	Lump Sum	\$
32	Medium Voltage Electrical Service Entrance – Utility Invoice	1	Lump Sum	\$
33	Meter Socket	1	Lump Sum	\$
34	Dry-Type Transformer	1	Lump Sum	\$
35	Distribution Panelboards	1	Lump Sum	\$
36	Wiring Devices	1	Lump Sum	\$
37	Interior Luminaires	1	Lump Sum	\$
38	Exterior Lighting	1	Lump Sum	\$
39	Water for Dust Abatement	1	Lump Sum	\$
40	Dust Palliative	1	Lump Sum	\$

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41	Diversion and Care of Reservoir Inflows	1	Lump Sum	\$
42	Cofferdam Construction	1	Lump Sum	\$
44	Unwatering	1	Lump Sum	\$
45	Abandoning and Removing Existing Instrumentation	1	Lump Sum	\$
46	Embankment Measurement Points	1	Lump Sum	\$
47	New Slotted-Pipe Piezometers	1	Lump Sum	\$
48	Protecting and Extending Existing Instrumentation	1	Lump Sum	\$
49	Inspection Wells Instrumentation	1	Lump Sum	\$
59	Borrow Area Restoration	1	Lump Sum	\$
65	Constructing Permanent Access Road and Ramp	1	Lump Sum	\$
66	Constructing Kicking Horse Feeder Canal Crossing	1	Lump Sum	\$
79	Straw Wattles	1	Lump Sum	\$
100	Ninepipe Feeder Canal Reconstruction	1	Lump Sum	\$
105	Fence Grounding	1	Lump Sum	\$
106	Removing and Reinstalling Existing Access Gates	1	Lump Sum	\$
107	Vehicle Access Gates	1	Lump Sum	\$
108	Prefabricated Footbridge	1	Lump Sum	\$
112	IW-2 and IW-3 Inspection Wells	1	Lump Sum	\$
113	IW-1 and IW-4 Inspection Wells	1	Lump Sum	\$
117	54-Inch Diameter Corrugated Metal Pipe Culvert	1	Lump Sum	\$
120	Drain Cleanouts	1	Lump Sum	\$
121	Medium Voltage Transformers Testing	1	Lump Sum	\$
122	Trashracks	1	Lump Sum	\$
123	Coated Bulkhead Gates and Guides	1	Lump Sum	\$
124	Steel Piping	1	Lump Sum	\$
125	Overshot Gates	1	Lump Sum	\$

Kicking Horse Dam
 Dam and Outlet Works Modification
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126	Slide Gates	1	Lump Sum	\$
127	Slide Gates Motor-Operated Actuators	1	Lump Sum	\$
128	Slide Gate Manual-Operated Actuator	1	Lump Sum	\$
129	Overshot Gate Hoists	1	Lump Sum	\$
Total Bid Price for Schedule 1				\$
Total Bid Price for Schedule 1 only (in Words)				

Kicking Horse Dam
Dam and Outlet Works Modification
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BID SCHEDULE 2: Kicking Horse Dam and Outlet Works Rehabilitation – Unit Price Contract Line Item Numbers				
CLIN	DESCRIPTION	QUANTITY AND UNIT	UNIT PRICE	TOTAL
5	Concrete Reinforcing	390,000 lb	\$	\$
6	Cast-In-Place Concrete	1,750 yd ³	\$	\$
11	4/0 AWG-4/c 600 Volt Power Cable	500 lin ft	\$	\$
12	1 AWG-4/c 600 Volt Power Cable	800 lin ft	\$	\$
13	1 AWG-3/c 600 Volt Power Cable	100 lin ft	\$	\$
14	1 AWG-2/c 600 Volt Power Cable	100 lin ft	\$	\$
15	6 AWG-2/c 600 Volt Power Cable	100 lin ft	\$	\$
16	12 AWG-4/c 600 Volt Power Cable	200 lin ft	\$	\$
17	12 AWG-2/c 600 Volt Power Cable	125 lin ft	\$	\$
18	12 AWG-1/c 600 Volt Power Cable	700 lin ft	\$	\$
19	10 AWG-1/c 600 Volt Power Cable	800 lin ft	\$	\$
20	8 AWG-1/c 600 Volt Power Cable	100 lin ft	\$	\$
21	2 AWG-1/c 600 Volt Power Cable	500 lin ft	\$	\$
23	Electrical Conduit, PVC Schedule 80, 3-inch Diameter	500 lin ft	\$	\$
24	Electrical Conduit, PVC Schedule 80, 2-inch Diameter	880 lin ft	\$	\$
25	Electrical Conduit, Galvanized Rigid Metal, 3-inch Diameter	15 lin ft	\$	\$
26	Electrical Conduit, Galvanized Rigid Metal, 2-inch Diameter	150 lin ft	\$	\$
27	Electrical Conduit, Galvanized Rigid Metal, 1-inch Diameter	1,650 lin ft	\$	\$
28	Electrical Conduit, Liquid Tight Flexible Metal Conduit, 2-inch Diameter	100 lin ft	\$	\$
43	Canal Deliveries During Construction	6,800 acre-ft	\$	\$
50	Stripping	25 acres	\$	\$
51	Excavation for Canal Structures	1,500 yd ³	\$	\$
52	Compacted Backfill for Canal Structures	1,000 yd ³	\$	\$
53	Excavation for Underground Electrical Conduit	3,700 lin ft	\$	\$

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54	Compacted Backfill for Underground Electrical Conduit within Dam Crest and Access Ramp from Right Abutment of Dam to Downstream Toe of Access Ramp	1,800 lin ft	\$	\$
55	Compacted Backfill for Underground Electrical Conduit in Other Areas	1,900 lin ft	\$	\$
56	Excavation of Existing Dam Embankment	48,000 yd ³	\$	\$
57	Excavation of Existing Dike No. 2 Embankment and Canal Road	4,200 yd ³	\$	\$
58	Excavation for New Dam Embankment Toe Drain and Outfall Pipes	6,900 yd ³	\$	\$
60	Excavation for Canals	1,690 yd ³	\$	\$
61	Excavation for Two Reinforced Concrete Pressure Pipes Trench	320 yd ³	\$	\$
62	G-Canal Pipe Embedment and Bedding	47 yd ³	\$	\$
63	Backfill for G-Canal Lining	1,750 yd ³	\$	\$
64	Compacted Backfill for Two Reinforced Concrete Pressure Pipes Trench	400 yd ³	\$	\$
67	Controlled Low Strength Material for Outlet Works Conduit Backfill	180 yd ³	\$	\$
68	Zone 1 – Dam Embankment Earthfill	32,000 yd ³	\$	\$
69	Zone 1 – Dike No. 2 and Canal Road Embankment Earthfill	2,800 yd ³	\$	\$
70	Zone 1 – Dam Cutoff Wall Cap Earthfill	310 yd ³	\$	\$
71	Zone 1 – Dike No. 2 Cutoff Wall Cap Earthfill	62 yd ³	\$	\$
72	Zone 2, Filter Sand Material	5,700 yd ³	\$	\$
73	Zone 3, Gravel Drain Material	1,250 yd ³	\$	\$
74	Zone 4, Miscellaneous Fill Material for Dam Embankment	29,000 yd ³	\$	\$
75	Zone 4, Miscellaneous Fill Material for Backfill Existing G-Canal	2,150 yd ³	\$	\$
76	Zone 5, Cement-Bentonite Slurry Cutoff Wall Spoils – Dam	22,000 yd ³	\$	\$
77	Zone 5, Cement-Bentonite Slurry Cutoff Wall Spoils – Dike No. 2	3,100 yd ³	\$	\$

Kicking Horse Dam
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78	Silt Fence	20,000 lin ft	\$	\$
80	16 oz. Geotextile	9,300 yd ²	\$	\$
81	Geogrid Reinforcement	24,000 yd ²	\$	\$
82	Type I Riprap for Upstream Slope of Dam Embankment from Onsite Stockpile of Dam Riprap	1,650 yd ³	\$	\$
83	Type I Riprap for Upstream Slope of Dam Embankment from Commercial Source	1,600 yd ³	\$	\$
84	Riprap Bedding for Upstream Slope of Dam Embankment	1,640 yd ³	\$	\$
85	Type 1 Riprap for Upstream Slope of Dike No. 2 Embankment from Onsite Stockpile of Dike No. 2 Riprap	170 yd ³	\$	\$
86	Type 1 Riprap for Upstream Slope of Dike No. 2 Embankment from Commercial Source	14 yd ³	\$	\$
87	Riprap Bedding for Upstream Slope of Dike No. 2 Embankment	130 yd ³	\$	\$
88	Type II Riprap for Outlet Works Impact Basin from Commercial Source	150 yd ³	\$	\$
89	Riprap Bedding for Outlet Works Impact Basin from Commercial Source	590 yd ³	\$	\$
90	Type I Riprap for Dike No. 2 Turnout Structure from Commercial Source	44 yd ³	\$	\$
91	Riprap Bedding for Dike No. 2 Turnout Structure from Commercial Source	11 yd ³	\$	\$
92	Type I Riprap for G-Canal from Commercial Source	50 yd ³	\$	\$
93	Riprap Bedding for G-Canal from Commercial Source	230 yd ³	\$	\$
94	Type I Riprap for Check/Wasteway Structure from Commercial Source	300 yd ³	\$	\$
95	Riprap Bedding for Check/Wasteway Structure from Commercial Source	90 yd ³	\$	\$
96	Type II Riprap for Kicking Horse Feeder Canal Crossing from Commercial Source	570 yd ³	\$	\$
97	Riprap Bedding for Kicking Horse Feeder Canal Crossing from Commercial Source	115 yd ³	\$	\$

Kicking Horse Dam
Dam and Outlet Works Modification
Addendum #002

98	Riprap Bedding for Ninepipe Feeder Canal from Commercial Source	500 yd ³	\$	\$
99	Riprap for Ninepipe Feeder Canal Restoration from Onsite Stockpile of Canal Riprap	210 yd ³	\$	\$
101	Cement-Bentonite Slurry Cutoff Wall – Kicking Horse Dam	160,000 ft ²	\$	\$
102	Cement-Bentonite Slurry Cutoff Wall – Dike No. 2	22,000 ft ²	\$	\$
103	Removing Existing Gravel Surfacing	1,700 yd ³	\$	\$
104	Gravel Surfacing	6,500 yd ³	\$	\$
109	Topsoil	23 acres	\$	\$
110	Topsoil Erosion Control Matting	22,000 yd ²	\$	\$
111	Seeding	23 acres	\$	\$
114	G-Canal Turnout Reinforced Concrete Pressure Pipe	88 lin ft	\$	\$
115	8-Inch Diameter Nonperforated HDPE Pipe	160 lin ft	\$	\$
116	3-Inch Diameter HDPE Pipe	110 lin ft	\$	\$
118	12-Inch Diameter Perforated HDPE Pipe	1,600 lin ft	\$	\$
119	12-Inch Diameter Nonperforated HDPE Pipe	720 lin ft	\$	\$
Total Bid Price for Schedule 2 only =				\$
Total Bid Price for Schedule 2 only (in Words)				

COMBINED PRICE FOR BID SCHEDULE 1 AND BID SCHEDULE 2	
Combined Bid Price for the award of both Schedule 1 and Schedule 2 =	\$
Combined Bid Price for the award of both Schedule 1 and Schedule 2 (in Words)	

ATTACHMENT C – TECHNICAL PROPOSAL

When preparing the Technical Proposal portion of the Bid, Bidders shall provide the information requested below. Each Evaluation Factor should be clearly identified and separated from other Evaluation Factors of the Technical Proposal with a coversheet and separate page numbering to allow them to be individually reviewed and compared, if necessary.

EVALUATION FACTOR 1 – Technical Plan for Construction

FACTOR 1A - WORK PLAN (50 PAGES OR LESS):

Provide an overall narrative Work Plan that correlates with the Draft Construction Schedule. The Work Plan shall identify potential subcontractors and the work they would perform. Supplement with conceptual drawing(s) and/or sketches, if applicable. The Work Plan shall explain in detail the Bidder's approach to accomplishing the tasks identified below. At a minimum, include the following:

1. SEQUENCING

- a. Provide the details and reasoning that supports the project sequencing depicted in Factor 1B, Draft Construction Schedule. Address the restrictions provided in specifications Section 01 12 40 Construction Sequencing, 01 14 12 Work Restrictions, and Section 01 14 20 Reservoir Feeder Canals Operation.

2. TEMPORARY WORK FEATURES

- a. Describe plans for temporary work features critical to meeting sequencing requirements and work restrictions. Support the narrative by providing applicable figures and illustrations on a plan view drawing. These temporary work features at a minimum shall include: the electrical power supply for construction and commissioning activities, maintaining water quality standards for discharges from the site, borrow access road across Kicking Horse Feeder Canal, the cofferdam to facilitate construction of the outlet works, construction access crossings over the Ninepipe Feeder Canal, location of batch plants and office trailers, and the cofferdam and bypass pumping system to supply water to the G Canal-Lateral and Ninepipe Feeder Canal.

3. CEMENT BENTONITE (CB) CUTOFF WALL

- a. Describe plan for sourcing and transportation of cement and bentonite materials to site to meet anticipated production rates.
- b. Describe the means, methods, equipment, and quality control testing plan for batching the bentonite slurry and CB slurry mixture. Support the narrative by providing applicable figures, photos, and illustrations.
- c. Proposed method of trench excavation, including equipment and sequence.
- d. Describe trench cleaning procedures for trench bottom after final pass with excavator.
- e. Describe procedures used to detect and correct trench sidewall collapse.
- f. Describe delivery plan for transfer of the CB slurry to cutoff wall trenches.
- g. Describe means and methods for protection of the slurry cutoff wall from travel of heavy construction equipment.
- h. Anticipated production rates.
- i. Describe plan for managing excavated materials from slurry trench.

- j. Methods and equipment for placing Zone 5 material on downstream slope of embankment.

4. DAM AND DIKE EMBANKMENT CONSTRUCTION

- a. *Describe the plan, means, methods, equipment, and sequence for the required excavation in the dam and dike embankment. Include plans for stockpiling of excavated materials.*
- b. *Describe the plan for removal and control of water during the dam excavation and reconstruction of the dam embankment to the base of the mud-slab. Describe proposed methods, materials, equipment, and sequencing.*
- c. *Describe plan for use of borrow area.*
- d. *Describe procedures for moistening and drying of earthen materials from stockpiles and borrow area to obtain specified moisture content prior to placement. Describe procedures for meeting specified moisture content for material during placement and compaction.*
- e. *Describe plan for reconstructing dam and dike embankment crests following cutoff wall installation.*
- f. *Describe plan for placing, compacting, protecting, and avoiding contamination segregation, and material breakdown of all zoned earthfill materials through entirety of embankment reconstruction within the outlet works excavation footprint (especially within the chimney section).*
- g. *Describe strategies for cold-weather earth-work. Specifically address means and methods for preventing the outlet works subgrade from freezing during construction of the outlet works and during placement of all zoned earthfill materials.*

5. CONCRETE PLACEMENT

- a. Describe the plan, means, methods, equipment, and sequence to establish formwork and concrete placement.
- b. Describe plan, means, methods, equipment, and concerns related to concrete delivery. Include anticipated source of concrete (on-site batch plant or ready-mix including location of plant) and methods on conveying concrete on-site.
- c. Describe strategies for any proposed cold and hot weather work including RSMC placements. Specifically address means and methods for the outlet works conduit and intake tower.

6. STEEL LINER

- a. Describe the plan, means, methods, equipment, and sequence for setting, supporting, welding, and concrete encasing of the outlet works conduit.

7. GATES

- a. Describe the plan, means, methods, equipment, and sequence for installation and operational testing of the bulkhead, slide, and overshot gates.

8. RISK MITIGATION

- a. Describe perceived areas of high construction risk and any associated mitigation strategies. Specifically address strategies for managing schedule risk during construction of the outlet works and intake tower.

- b. Describe how your approach to the project will minimize schedule risk and identify potential areas where schedule recovery may be possible if construction does not proceed as planned due to weather or adverse construction conditions.
- c. Describe perceived areas of concern relative to environmental compliance and any associated mitigation strategies.
- d. Describe any perceived concerns relative to procurement of material such as concrete, steel pipe, bulkheads, gates, motor operated actuators and hoists, transformers, and any required long lead-time items, as well as the mitigation strategies that will be used to maintain the Draft Construction Schedule presented in Factor 1B.

FACTOR 1B - DRAFT CONSTRUCTION SCHEDULE (NO PAGE LIMIT):

Include a Draft Construction Schedule, using Critical Path Milestone (CPM) techniques, consistent with the requirements of specification **Section 01 32 10**, Construction Program. The schedule shall be easily identifiable within the proposal; with the ability to review as a separate requirement that is not dependent on other sections of the proposal.

The schedule should be consistent with the methodologies detailed in the Work Plan. The purpose of this requirement is to have Bidders submit a CPM schedule in sufficient detail to allow for meaningful analysis and evaluation of the Bidder's proposal without having to prepare a 100% complete contract-compliant schedule as described in Specification **Section 01 32 10**. Bidders do not need to comply with the full requirements of the "Schedules" clause in specification Section **01 32 10-1.07.A** but shall include a networked bar chart (Gantt chart) showing the major items of work contained in the proposal, including their durations, anticipated start and finish dates, any float, and the logical relations of interface between activities.

The Draft Construction Schedule shall include at a minimum:

1. Submittal review and approval activities with durations that are critical to contract completion.
2. Material procurement including all design, manufacturing, and delivery time requirements
3. Sequence and duration of construction activities to accomplish the Work within the work restrictions identified in the Specifications. Include appropriate level of detail for activity durations to demonstrate an understanding of the construction sequencing.
4. Clearly identify assumptions used to account for both typical and unusually severe weather impacts.
5. Clearly identify the critical path.
6. In addition to the bar chart and any other reports, provide the schedule database in electronic file format (.XER, .XML, .MPP. or similar).

For use in preparing the proposed schedule, and for subsequent analysis of the Technical Proposals only, Bidders can anticipate an Effective Date of the Contract of approximately **October 01, 2026**, and a Notice to Proceed (NTP) date of **November 13, 2026**. These dates are estimated and are subject to change.

EVALUATION FACTOR 2 – Management Control and Safety Plan

FACTOR 2A- MANAGEMENT CONTROL PLAN (15 PAGES OR LESS)

1. Provide a detailed and project-specific Management Control Plan for execution of the Work. Include roles and responsibilities between the prime contractor, subcontractors, sub-consultants, material suppliers, and designers.
 - a. Provide a one-page organizational chart. Include significant subcontractors.
 - b. Describe how the proposed management team is qualified to manage this project and what previous experience they have, which substantiates their qualifications by providing evidence of their relevant experience (resumes).
 - c. Describe the management team's issue resolution process and philosophy.
2. List whether the following work will be self-performed or subcontracted.
 - a. Earthwork
 - b. CB Cutoff Wall
 - c. CIP Concrete
 - d. Mechanical
 - e. Electrical
3. Describe the quality control plan, and implementation of the quality control plan and identify quality control roles and responsibilities for this project. Include detailed information for any proposed subcontractor personnel that will be providing the quality control oversight. Include experience and qualifications to perform the required work. Include examples for how quality control personnel have identified and addressed elements of the work which did not meet the Contract requirements on previous projects and detail how a similar situation would be handled on this project.

FACTOR 2B – SAFETY PLAN (15 PAGES OR LESS)

1. Provide a detailed description of how your company performs safety management. Bidders should not provide their standard safety manual in this section but should describe how their safety culture will provide a safe workplace on this project.
2. Provide examples of safety professional(s) on staff, safety committee, regular consultation, etc. Descriptions of employee safety training and certifications, hazard recognition and abatement methods, and provisions for subcontractor safety shall be included.
3. Include descriptions of any serious, willful, or repeat violations that the company has been either cited for or assessed penalties for over the past five years by Federal or State OSHA. Provide any supporting information that demonstrates corrective actions taken. Furthermore, provide a description of any citations or assessed penalties during the past five years by the EPA, Air Quality Management District or any Regional Water Quality Control Board. Provide any supporting information that demonstrates corrective actions taken.
4. List any safety or environmental awards or recognition your company has received during the past five years.

EVALUATION FACTOR 3 – PAST PERFORMANCE (20 PAGES OR LESS):

The Bidder's company experience information will be evaluated to assess the Bidder's experience level on recent contracts for similar work. The greater the extent to which the Bidder can demonstrate

successful completion of projects similar in size and complexity as that required under this Advertisement, the more favorably the proposal will be rated.

If a Bidder intends to utilize subcontractors to perform any of the major components of work, all of the following information must be provided for each proposed subcontractor.

Furnish a list (no more than 5) of Federal, State, local government or commercial projects completed within the last 10 years or are now on-going, that are similar in scope and complexity to the Work. Similar projects are defined as work involving excavation and construction of zoned earthfill embankments; trench excavation for a cutoff wall; batching CB slurry, placement of CB slurry in a trench, CIP concrete construction, fabrication, welding, and installation of steel pipe, gate fabrication and installation for water retention structures, and complex work to be completed within restrictive schedule requirements.

For each project, indicate if the Bidder had multiple subcontractors, suppliers, sub-consultants, and designers and required special management techniques. Provide examples of issues encountered in managing the work from multiple parties and how the issues were resolved.

The projects must clearly demonstrate the ability to successfully accomplish projects in a timely manner, utilize resources, and work with project owners.

The following information must be provided for each project:

1. Original completion time and date, and actual dates and duration for each project (including a list of modifications). Please describe the reason for any variance between the original completion date and the actual completion date if unrelated to the modifications.
2. Key project personnel resumes (Project Manager, Project Superintendent, Safety Manager, and Quality Control Manager).
3. Initial contract amount and final contract amount (including modifications).
4. Name, address, phone number and email of points of contact for the Owner, Designer, and Construction Manager who may verify information for this project.
5. Any problems encountered in performance of the work and corrective actions taken.

FACTOR 4 – TRIBAL ENTERPRISE ENGAGEMENT PLAN (NO PAGE LIMIT):

1. This project will be conducted in accordance with the provisions of the CSKT's Indian Preference Ordinance 101A and Regulations. Bidders are encouraged, but not required, to include a narrative describing the bidder's outreach efforts to identify and engage qualified CSKT Indian Preference Businesses. Bidders may identify proposed qualified businesses, and the estimated percentage of work or dollar value the successful bidder intends to subcontract. Bidders can obtain a current list of qualified Indian Preference Businesses from the CSKT Indian Preference Office or at <https://cskt.org/indian-preference-office/>
2. If applicable, Bidders should include previous engagement with CSKT Indian Preference Businesses on other contracts.

SECTION 01 35 20

SAFETY AND HEALTH

PART 1 GENERAL

1.01 MEASUREMENT AND PAYMENT

- A. Cost:
1. Include in the prices offered in the Price Schedule for other items of work.

1.02 DEFINITIONS

- A. CIH: Certified Industrial Hygienist.
- B. Coatings containing Regulated Metals:
1. May be present in quantities that waste generated from removal operations may be a health hazard to employees. Other contaminants may be present.
 2. Metals and compounds that may be present in aging paint and coating systems:
 - a. Arsenic: 29 CFR 1926.1118.
 - b. Cadmium: 29 CFR 1926.1127.
 - c. Lead: 29 CFR 1926.6
- C. Competent Person:
1. 29 CFR 1926.32: Definitions.
 2. 29 CFR 1926.62: Lead.
 3. 29 CFR 1926.1101: Asbestos.
 4. 29 CFR 1926.1118: Arsenic.
 5. 29 CFR 1926.1127: Cadmium.
- D. NIOSH: National Institute of Occupational Safety and Health.
- E. NLLAP: National Lead Laboratory Accreditation Program.
- F. NVLAP: National Voluntary Laboratory Accreditation Program.
- G. PFT: Pulmonary Function Tests.
- H. PPE: Personal Protective Equipment.
- I. TSP: Total Suspended Particulates.

1.03 REFERENCE STANDARDS

- A. Applicable Tribal and State Safety and Health Regulations for Construction.
- B. Bureau of Reclamation (USBR)
 - 1. RSHS Reclamation Safety and Health Standards including revisions posted at <https://www.usbr.gov/safety/rshs/index.html>
 - 2. FIST 1-1 (2012) Hazardous Energy Control Program available at: [www.usbr.gov/power/data/fist pub.html](http://www.usbr.gov/power/data/fist_pub.html)
- C. Code of Federal Regulations (CFR)
 - 1. 29 CFR 1926.32 Definitions, Construction
 - 2. 29 CFR 1926.55 Gases, vapors, fumes, dusts, and mists
 - 3. 29 CFR 1926.62 Lead
 - 4. 29 CFR 1926.103 Respiratory Protection
 - 5. 29 CFR 1926.1118 Inorganic Arsenic
 - 6. 29 CFR 1926.1127 Cadmium

1.04 SUBMITTALS

- A. Submit the following in accordance with Section 01 33 00 - Submittals.
- B. RSN 01 35 20-1, Safety Program:
 - 1. Written safety program in accordance with RSHS.
 - 2. Cover aspects of on-site and applicable off-site operations and activities associated with this contract.
 - 3. Follow the outline in Appendix B of RSHS.
 - 4. Will not be accepted for review by the COR unless it addresses, in order, lettered and numbered per Appendix B, a narrative for each applicable item in the outline. For items in the outline that do not apply to this contract write "Not applicable to Contract" next to the number/letter.
 - 5. A generic company safety program is not acceptable. Safety Program must be site specific for this contract.
 - 6. Include plans for safe food storage and trash storage regarding grizzly bear inhabitation of the surrounding area.
 - 7. Submitted and accepted prior to commencing onsite work, including mobilization.
- C. RSN 01 35 20-2, Job Hazard Analyses (JHA):

1. Provide a JHA for each distinct phase of work under the contract.
- D. RSN 01 35 20-3, Regulated Metals in Coatings Personnel Protection Plan:
1. Worker Protection Compliance Program:
 - a. Include information required by 29 CFR 1926.62.
 - b. Prepared by the Competent Person.
 - c. Exposure Certifications and Test Results:
 - 1) Employee training certifications: Indicate employee training in hazardous materials and communication with an emphasis on Regulated Metals, respiratory protection, and PPE.
 - 2) PFT for respirator usage: Record of diagnostic test and examination by a Board Eligible or Certified Occupational Medicine Physician.
 - 3) Blood tests for Regulated Metals:
 - a) Blood lead and zinc protoporphyrin level (ZPP).
 - b) Blood levels for other Regulated Metals.
 2. Employee Exposure Monitoring Plan:
 - a. Plan for monitoring regulated metal levels from employee exposure personal monitors.
 - b. Signed by CIH.
- E. RSN 01 35 20-4, Regulated Metals Preconstruction Test Results:
1. Background air monitoring results:
 - a. Personal Employee exposure and area monitoring results by personal employee exposure monitors.
 - b. Map indicating location of each sample.
 - c. Quality control information to supplement analytical data. From blanks, laboratory control samples with percent recovery, duplicates, matrix spike samples with percent recovery, and other appropriate quality control measures.
- F. RSN 01 35 20-5, Regulated Metals Working Level Test Results:
1. Include:
 - a. TSP air quality monitoring results for Regulated Metals concentrations by personal employee exposure monitors.
 2. Map indicating location of each sample.
 3. Provide appropriate quality control information to supplement analytical data. From blanks, laboratory control samples with percent recovery, duplicates, matrix

spike samples from project with percent recovery, and other appropriate quality control measures.

- G. RSN 01 35 20-6, Regulated Metals Post-Construction Test Results:
 - 1. Personal Employee exposure and area monitoring results by personal employee exposure monitors.
 - 2. Blood tests for Regulated Metals:
 - a. Blood lead and zinc protoporphyrin level (ZPP).
 - b. Blood levels for other Regulated Metals.
 - 3. Compare with preconstruction test results for increased contaminant levels.
 - 4. Include map indicating location of each sample.
 - 5. Quality control information to supplement analytical data. From blanks, laboratory control samples with percent recovery, duplicates, matrix spike samples with percent recovery, and other appropriate quality control measures.
- H. RSN 01 35 20-7, Monthly Accident Summary Report:
 - 1. In accordance with RSHS.
- I. RSN 01 35 20-8, Documentation and Records.
 - 1. Submit documentation of medical qualifications less than 12 months old for all respirator users at the site for work not covered above.
 - 2. Submit results of fit tests less than 12 months old for all users of tight fitting negative pressure respirators at the site for work not covered above.

1.05 DOCUMENTATION AND RECORDS

- A. Prepare and retain all safety plans, programs, training content, and training records that are applicable to the scope of the work and make them available to the COR unless they are already included in the written safety program. Some examples include but are not limited to:
 - 1. Asbestos Exposure Assessment and Training Records.
 - 2. Benzene Written Program and Training Records.
 - 3. Cadmium Written Compliance Program and Training Records.
 - 4. Chromium VI Training Records.
 - 5. Confined Space and when deemed necessary by existing and/or introduced hazards of Permit Required Confined Space through the Written Program and Training Records.
 - 6. Forklifts and Other Industrial Trucks Training Records.
 - 7. Electrical Safety Requirement Training Records.

8. Emergency Action Plans Written Program and Training Records.
9. Fall Protection Written Program and Training Records.
10. Fire Protection and Prevention Written Program and Training Records.
11. Flammable and Combustible Liquids Written Spill Control Plan.
12. General Safety and Health Provisions, Written Safety Program, and Regular Safety Inspection Records.
13. Hazard Communication Written Program and Training Records.
14. Heat and Cold Stress.
15. Inorganic Arsenic Training Records, if applicable.
16. Ladder Written Compliance Program and Training Records.
17. Lead Written Program and Training Records.
18. Lockout/Tagout: Refer to RSHS Section 15 Hazardous Energy Control Program (HECP) Training Records.
19. Bloodborne Pathogens Exposure Control Plan, Training Records.
20. Methylenedianiline Training Records, if applicable.
21. Occupational Noise Exposure Written Program and Training Audiometric Testing Records.
22. Personal Protective Equipment (PPE) Hazard Assessments and Training Records.
23. Power Operated Hand Tools Training Records.
24. Respiratory Protection Written Program and Training Records.
25. Safety Training and Education Written Program and Training Records.
26. Scaffolds Training Records.
27. Steel Erection Training Records, if applicable.
28. Welding, Cutting, and Brazing Written Program and Training Records.

1.06 SAFETY AND HEALTH

- A. Provide and maintain a work environment and procedures that:
 1. Safeguard the public and Government's personnel, and Contractor employees exposed to Contractor operations and activities.
 2. Avoid interruptions of site operations and delays in project completion dates.
 3. Control costs in contract performance.
- B. Do not begin on site work, including mobilization, until the COR accepts the Safety Program.

- C. Participate in Contractor Safety Program Review meeting prior to mobilization.
- D. Minimum work crew shall consist of no less than two (2) people, one of which shall be an on-site supervisor, unless approved by COR. The on-site supervisor shall be on-site at all times when work is being performed on site.
- E. Develop Job Hazard Analyses (JHA) for each distinct phase of work under the contract.
 - 1. Work will not begin on the phase of work until a JHA:
 - a. Has been provided to the COR in accordance with the Submittals article above.
 - b. Has been approved by the COR.
 - 2. Activities involving hazardous materials shall have the appropriate Safety Data Sheet(s) attached to the JHA.
 - 3. The JHA shall be completed on the form contained in the RSHS or an equivalent form approved by the COR.
- F. Comply with RSHS and Volume 1 – Contracting Requirements.
 - 1. One copy of RSHS in digital format will be provided at no charge for use in connection with the specifications.
 - 2. Construction Safety and Health Standards promulgated by the Secretary of Labor may be obtained from any regional or area office of the Occupational Safety and Health Administration of the U.S. Department of Labor.
- G. Correct safety and health violations identified by the COR.
- H. Comply with all provisions of the clauses entitled “Accident Prevention” and “Safety and Health.”
 - 1. Remove employees and supervisors who refuse or repeatedly fail to comply with or enforce compliance with the Section and requirements of RSHS.
 - 2. Remove non-compliant employees and supervisors as directed by COR.
 - 3. CSKT will not be liable for any costs associated with directed removal of employees and supervisors under provisions of this Section.
- I. Provide and maintain a work environment and procedures to:
 - 1. Safeguard the public, FIIP, CSKT and their agents exposed to Contractor operations and activities.
- J. Do not require persons employed in performance of this contract, including subcontracts, to work under conditions which are unsanitary, hazardous, or dangerous to the employee’s health or safety.

- K. The Kicking Horse project site area is in close proximity to known grizzly bear habitat. Adhere to the following actions and precautions when performing any construction activity onsite to minimize disturbance and attracting bears to the work site area. Avoiding potential conflicts with grizzly bears is vital to the persistence of the species.
1. All workers to be equipped with and carry bear spray.
 2. Promptly clean up any project related spills, litter, garbage, debris, etc.
 3. Store all food, food related items, petroleum products, antifreeze, garbage, and personal hygiene items inside a closed, hard-sided vehicle or commercially manufactured bear resistant container.
 4. Remove garbage from the project site daily and dispose of it in accordance with applicable regulations.
 5. Notify the Confederated Salish and Kootenai Tribes Wildlife Management Program of any grizzly bears observed in the vicinity of the project.
- L. When the Contractor fails or refuses to correct a compliance directive, the COR may issue an order to stop all or part of the work.
1. When satisfactory corrective action is taken, an order to resume work will be issued.
 2. The Contractor shall not be entitled to extension of time or to claim for damage or to additional compensation by reason of either the directive or stop order.
 3. Failure of the COR to order discontinuance of the Contractor's operations shall not relieve the Contractor of the responsibility for the safety of personnel and property.
- M. Maintain accurate record of and report to the COR the following occurrences during performance of this contract:
1. Death.
 2. Occupational disease.
 3. Traumatic injury to employees or the public.
 4. Property damage in excess of \$2,500.
- N. The rights and remedies of CSKT provided in this section are in addition to any other rights and remedies provided by law or under this contract.
1. In the event there is a conflict between requirements contained in RSHS, specification paragraphs, Contractor's approved Safety Program, referenced safety and health codes, and standards, or the U.S. Department of Labor Construction Safety and Health Standards, promulgated under Section 107 of the Contract Work Hours and Safety Standards Act (40 U.S.C. 327 et seq.), as amended, the more stringent requirement shall prevail.
- O. Provide appropriate safety barricades, signs, and warnings.

- P. Perform all training as required by federal, state, and local regulations prior to any activity that requires it.
1. Training records must be submitted to the COR upon request.
 2. In no case shall an employee perform work until all required training is complete.

1.07 QUARTERLY SAFETY PARTNERING LUNCH

- A. *The Contractor shall hold formal safety partnering sessions during construction of the Kicking Horse Dam and Outlet Works Modification Project. The formal safety partnering sessions will assist the Contractor and Owner to maintain cooperative communication regarding site safety and will encourage and reinforce the implementation of safe work practices for all activities occurring on the site.*
- B. *The formal safety partnering sessions will be held on a quarterly basis and will include all site craft workers, management personnel, inspectors, engineers, and Owner's Representatives. The duration of each session will be approximately 30 minutes and will be in the style of a "lunch and learn." The Contractor shall schedule the partnering session at least two weeks ahead of the actual date on which it occurs. A local catering business shall be hired to provide food, drink, utensils, napkins, cups, and any other items needed to provide a lunch for the session. The Indian Preference Ordinance Tribal Ordinance No. 101A and regulations shall apply when hiring a caterer to provide the lunch. The Contractor shall be responsible for paying all invoices for services rendered related to the partnering sessions. The Contractor may contact Melinda Charlo (406-675-2700 ext. 1045) with the Indian Preference Office for information on the IPO Business List.*
- C. *The safety partnering session shall be led by a safety representative from the Contractor and is envisioned to be a group discussion with input from all participants. At a minimum, the following topics shall be discussed at each session:*
1. *Findings of the latest weekly joint site inspection performed by the Contractor's Part-time Onsite Safety and Health Professional and the Owner. See requirements in Section 01 35 30 – Contractor's Onsite Safety Personnel.*
 2. *Review of any workplace incidents, first aids incidents, equipment damage, near misses, or similar occurrences which have led to lessons learned from the previous quarter.*
 3. *Discussion on hazard recognition, control, and prevention for a unique focus topic during each quarterly meeting.*
 4. *Soliciting input from the craft workers on any improvements which could be made to any aspects of the safety program or safety culture at the site.*

PART 2 PRODUCTS

Not Used

PART 3 EXECUTION

3.01 AIR QUALITY MONITORING BY EMPLOYEE EXPOSURE PERSONNEL MONITORS

- A. Perform employee exposure monitoring to determine exposure to Regulated Metals in accordance with NIOSH or OSHA analytical sampling methods.
- B. Not to exceed emissions limit standards in:
 - 1. 29 CFR 1926.55.
 - 2. 29 CFR 1926.62.
 - 3. 29 CFR 1926.1118.
 - 4. 29 CFR 1926.1127.
- C. If emissions exceed specified maximum allowable concentrations, stop work until containment system meets required standards.

END OF SECTION

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SECTION 01 35 30
CONTRACTOR'S ONSITE SAFETY PERSONNEL

PART 1 GENERAL

1.01 MEASUREMENT AND PAYMENT

- A. Cost:
1. Include in prices offered in the Price Schedule for other items of work.

1.02 DEFINITIONS

- A. ABIH: American Board of Industrial Hygiene.
- B. Asbestos MAP: Asbestos Model Accreditation Plan.

1.03 REFERENCE STANDARDS

- A. ASTM International (ASTM)
1. ASTM E1368-23 Visual Inspection of Asbestos Abatement Projects
- B. Bureau of Reclamation (USBR)
1. RSHS Reclamation Safety and Health Standards, including revisions posted at <https://www.usbr.gov/safety/rshs/index.html>
- C. Code of Federal Regulations (CFR)
1. 29 CFR Part 1926.32 Definitions
 2. 29 CFR Part 1926.1101 Asbestos

1.04 SUBMITTALS

- A. Submit the following in accordance with Section 01 33 00 – Submittals.
- B. RSN 01 35 30-1, Qualifications:
1. Contractor's Onsite Safety and Health Representative.
 2. Contractor's Part-Time Onsite Safety and Health Professional.
 3. Certified Industrial Hygienist (CIH).
 4. Independent testing laboratory:
 - a. NLLAP laboratory accreditation number.

- b. NVLAP laboratory accreditation number.
 - c. Name, address, and telephone number.
- C. RSN 01 35 30-2, Safety Inspection Reports:
 - 1. Prepare detailed monthly safety inspection reports listing noted deficiencies, digital photos, abatement dates and follow-up action for all jobsite activities.
 - 2. Inspection report shall include findings of jobsite walk-through with COR representative.
- D. 01 35 30-3, CIH Reports:
 - 1. Detailed monthly summary report for all coatings removal and application activities.
 - a. Summary of exposure monitoring results and sampling activities and interpretation of the data to confirm that the work is being performed in accordance with the approved plans.
 - 2. Detailed monthly summary report for any hazardous agents related to work activities.
 - a. Summary of exposure monitoring results and sampling activities and interpretation of the data to confirm the work is being performed in accordance with the submitted approval plans.
 - 3. Include noted deficiencies, digital photos, abatement dates and follow-up action.
 - 4. Submit written report to COR within 7 days of the inspection.

1.05 QUALIFICATIONS

- A. Contractor's Onsite Safety and Health Representative:
 - 1. Competent supervisory employee with current safety and health related training, experience and duties on at least three projects of similar nature, size, complexity, and work to be performed as the current project.
 - 2. OSHA Construction 30-Hour Training Course including applicable elective subjects, for example Concrete and Masonry Construction; Confined Space Entry; Cranes Derricks, Hoists, Elevators, and Conveyors; Ergonomics; Excavations; Materials Handling, Storage, Use and Disposal; Motor Vehicles, Mechanized Equipment and Marine Operations; Rollover Protective Structures and Overhead Protection; Signs, Signals, and Barricades; Safety and Health Programs; Scaffolds; Steel Erection; Tools – Hand and Power; Welding and Cutting. Current first aid CPR certification.
 - 3. Include resume with current telephone numbers of references, description of safety representative responsibilities, and copies of training certificates.
- B. Contractor's Part-time Onsite Safety and Health Professional:

1. The Contractor shall identify a part-time Onsite Safety and Health Professional that is acceptable to the COR. The safety professional shall visit the site a minimum of one time per week.
2. Include resume with current telephone numbers of references, description of safety professional responsibilities on similar construction projects, and copies of training certifications, degree, and registration.
3. The individual shall be qualified by virtue of education, training, certification, and experience in which professional status in the construction safety field has been established.
4. Meeting the requirements of training and experience requirements described above and:
 - a. Possessing at least a 4-year Bachelor's Degree from and accredited college or university in:
 - 1) Safety Engineering,
 - 2) Safety and Occupational Health, or
 - 3) Industrial Hygiene.
 - b. Registered Professional Safety Engineer, Certified Safety Professional (CSP), or CIH certified by the Board of Certified Safety Professionals /American Board of Industrial.
 - c. Knowledgeable of current safety trends, industry practices, and can exercise technical expertise.
5. The Contractor's **Part Time** Onsite Safety and Health Professional shall have no other duties.

C. Certified Industrial Hygienist (CIH):

1. The Contractor shall identify an individual meeting the following requirements:
 - a. Certified by the American Board of Industrial Hygiene.
 - b. Trained in recognizing complex safety, occupational health, and environmental issues.
 - c. Knowledgeable of current safety trends, industry practices, and can exercise technical expertise.
 - d. Demonstrates professional level knowledge of exposure hazards associated with the specific construction activities and can provide best practices on mitigation and/or controls.
2. Include resume, description of CIH responsibilities on similar construction projects and copies of training certifications of the individual proposed as the onsite CIH.
3. For hazardous Materials work, CIH shall be independent from the Contractor.

1.06 APPLICATION

- A. Designate and employas the Contractor's Onsite Safety Representative prior to start of construction, and employ Safety Professional for part-time on the job.
1. Safety Professional requirements may be met by retaining appropriate level of services of an acceptable safety consultant.
- B. Contractor's Onsite Safety Representative Authorities, Duties, and Responsibilities:
1. Responsible for effectively implementing the Contractor's Safety Program.
 2. The Safety Representative shall coordinate all emergency response activities.
 3. Recommend controls for observed hazards or predicted hazards.
 4. Ensure all work activities, including subcontractors, are in accordance with approved safety plan.
 5. Full authorization to correct unsafe acts on the spot, including the authority to stop work to correct safety and health problems.
 6. Lead weekly safety meetings at the jobsite.
 7. Onsite, during any and all construction activities.
 8. Assemble, review, and sign each Job Hazard Analysis (JHA).
 - a. Review of JHA with employees.
 9. Verify the correct use of respiratory protection and personal protective equipment.
 10. Conduct and prepare weekly safety inspections in conjunction with the onsite COR representative listing noted deficiencies, their abatement dates, follow up action. The report shall be available for review onsite.
 11. Provide direct oversight and assemble a detailed report of all incident reviews, near-misses, accidents, and emergency response or rescue actions.
 12. The Onsite Safety Representative may have other non-safety duties.
- C. Contractor's Part-time Onsite Safety and Health Professional Authorities, Duties, and Responsibilities:
1. The Onsite Safety and Health Professional's job shall be hazard recognition, control and accident prevention.
 2. Shall NOT be supervised by the onsite superintendent, but shall report directly to the corporate manager/owner.
 3. Provide guidance and oversight to Contractor's Onsite Safety Representative
 4. Shall have full authorization to correct unsafe acts on the spot, including the authority to stop work to correct safety and health problems.

5. Shall visit the site weekly and inspect the site with a COR representative listing noted deficiencies, their abatement dates, and follow up action. The report shall be available for review onsite.
6. Shall visit the site if a safety incident or deficiency occurs that requires immediate attention.
7. Shall participate in the planning and preparation of all activities including but not limited to:
 - a. Development and approval of JHA.
 - b. Review of equipment and materials.
 - c. Employee training.
 - d. Observing and reporting on activities.
8. Shall participate in the planning, preparation and execution of high exposure activities.
9. Duties include, but are not limited to the following:
 - a. Before start of construction, identify existing and predictable unsanitary, hazardous, or dangerous conditions.
 - b. Approve the site-specific Contractor safety and health plans and program prior to submission.
 - c. Coordinating all elements contained in the Contractor safety and health program and these specifications, including safety training.
 - d. May act as the qualified person for supervising erection and accepting final configuration and perform daily checks of fall protection, excavation and scaffolding systems in accordance with the regulatory standards.
 - e. Review and finalize all incident reviews, near-misses and accident reports in accordance with RSHS Section 1.03.
 - f. Attend the Safety Program Review Meeting and conduct the monthly Joint Safety Policy Meetings in accordance with the RSHS Section 1.03.

D. Certified Industrial Hygienist (CIH) Duties:

1. CIH duties include, but are not limited to:
 - a. Establish workplace exposure assessments in accordance with federal, state, and local regulations and standard industrial hygiene practices to ensure personnel exposures are below regulated levels.
 - b. Review and sign the Written Compliance Program for Worker Protection, Containment System Plan, Emissions Monitoring Plan, Waste Characterization, Handling, and Disposal Plan, Heavy Metal Exposure Certifications and Test Results, Working Level Test Results, Post-Construction Test Results, and Certificate of disposal.

- c. Conduct and/or coordinate and review and sign all coatings background sampling, surface sampling, waste stream sampling, personal exposure monitoring, area air monitoring, peripheral air monitoring, and clean up monitoring.
- d. Visit the site during start-up of coating removal and application activities and a minimum of one time per week during all coating removal and application activities to confirm that the work is being performed in accordance with the submitted plans.
- e. Conduct functional testing of engineering controls, critical barriers, containments and secondary containments.
- f. Full authorization to correct unsafe acts, stop work, prevent exposures, control contamination, engineering controls and containment failures.
- g. Exposure assessments to select or verify personal protective equipment or respiratory protection inside and outside containments.
- h. Prepare detailed monthly CIH inspection reports in accordance with RSN 01 35 30-2.
- i. Attend the Safety Program Review Meeting in accordance with the RSHS Section 1.03.
- j. Assist Onsite Supervisor in implementing Hazardous Materials safety and health requirements during the performance of the required work.
- k. Available for emergencies.
- l. Direct air monitoring.

E. Competent Person:

- 1. Duties include, but are not limited to:
 - a. Control entry to and from the Regulated Area.
 - b. Ensure engineering controls in use are in proper operating condition and are functioning properly.
 - c. Assure employees wear appropriate PPE, are trained in the use of appropriate methods for exposure control, use proper hygiene methods and decontamination procedures.

1.07 QUALITY ASSURANCE

A. Contractor's Onsite Safety Representative:

- 1. The effectiveness of the Contractor's Onsite Safety Representative in prosecuting the safety program will be subject to continued review and approval by the COR.
- 2. Should the Contractor's onsite safety representative's effort be deemed insufficient the Contractor may be required to provide the services of a qualified, full-time safety and health representative at no additional cost to CSKT.

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B. Contractor's Part-time Onsite Safety and Health Professional:

1. The effectiveness of the Contractor's Onsite Safety and Health Professional in prosecuting the safety program will be subject to continued review and approval by the COR.
2. Should the Contractor's part-time safety professional effort be considered inadequate, the CO has the option to require the Contractor to replace the part-time qualified Safety and Health Professional, at no additional cost to CSKT.

C. Certified Industrial Hygienist (CIH):

1. The effectiveness of the Contractor's Onsite CIH in prosecuting the coatings activities will be subject to continued review and approval by the COR.
2. Should the Contractor's CIH effort be deemed insufficient the Contractor may be required to provide the services of a qualified, full-time CIH during all coatings and related activities at no additional cost to CSKT.

PART 2 PRODUCTS

Not Used

PART 3 EXECUTION

END OF SECTION

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SECTION 01 57 90

PRESERVATION OF HISTORICAL AND ARCHAEOLOGICAL DATA

PART 1 GENERAL

1.01 MEASUREMENT AND PAYMENT

- A. Cost:
1. Include in prices offered in the Price Schedule for other items of work, except as provided below for ordered delays or changes for an equitable adjustment.

1.02 DEFINITIONS

- A. Cultural resources: Includes prehistoric, historic, architectural, and culturally important plant resources, and traditional cultural properties. These include, but are not limited to, human skeletal remains, archaeological artifacts, records, and material remains related to such property.
- B. Cultural items: Native American cultural items (i.e., funerary objects, sacred objects, objects of cultural patrimony, or human remains) for which protection is prescribed under the Native American Graves Protection and Repatriation Act (NAGPRA) - Public Law 101-601; 104 Stat. 3042, Section 3(d); and 43 CFR Part 10.4.
- C. Human remains: Physical remains of the body of a person.
- D. Funerary objects: Native American items that, as part of the death rite or ceremony of a culture, are reasonably believed to have been placed intentionally at the time of death or later with or near individual human remains.
- E. Native American: Of, or relating to, a tribe, people, or culture that is indigenous to the United States.
- F. Sacred Objects: Native American items that are specific ceremonial objects needed by traditional Native American religious leaders for the practice of traditional Native American religions by their present-day adherents. These items are specifically limited to objects that were devoted to a traditional Native American religious ceremony or ritual and which have religious significance or function in the continued observance or renewal of such ceremony.
- G. Objects of cultural patrimony: Native American items having ongoing historical, traditional, or cultural importance central to the Indian tribe itself, rather than property owned by an individual tribal member. These objects are of such central importance that they may not be alienated, appropriated, or conveyed by any individual tribal member.

1.03 PROJECT CONDITIONS

- A. Federal legislation and CSKT Ordinances provide for protection, preservation, and collection of scientific, prehistorical, historical, and archeological data, including relics and specimens, which might otherwise be lost due to alteration of terrain as a result of any Federal construction project.
- B. CSKT will obtain a cultural clearance permit from the Tribal preservation office. Obtain a copy from COR and follow permit requirements.
- C. Any person who, without permission, injures, destroys, excavates, appropriates, or removes any historical or prehistorical artifact, object of antiquity, or archeological resource is subject to arrest and penalty of law.
- D. Discovery of Resources
 - 1. When the Contractor, or any of the Contractor's employees, or parties operating or associated with the Contractor, in performance of this contract discover cultural resources on any lands:
 - a. Immediately cease work at that location.
 - b. Immediately notify the COR orally, giving the location and nature of the findings.
 - c. Follow guidance provided in CSKT cultural clearance permit.
 - d. Follow with written confirmation to the COR within 2 days.
 - e. When discovery occurs on CSKT, State, municipal, or private lands, notify the appropriate officials as prescribed by law.
 - 2. Do not disturb or damage cultural resources uncovered during construction activities and provide such cooperation and assistance as may be necessary to preserve the findings for removal or other disposition by the CSKT.
 - 3. Do not resume work in the area of discovery until receipt of written notice to proceed from the COR.
- E. Where appropriate by reason of discovery, the COR may order delays in time of performance or changes in work, or both. When such delays or changes are ordered, an equitable adjustment will be made in the contract in accordance with applicable clauses of the contract.

PART 2 PRODUCTS

Not Used

Kicking Horse Dam
Dam and Outlet Works Modification
Flathead Reservation, Montana

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PART 3 EXECUTION

3.01 CULTURAL SENSITIVITY TRAINING

- A. *The Contractor shall partake in an approximate 1-to-2-hour long CSKT cultural sensitivity training conducted by the CSKT Preservation Office. Expected personnel to attend will be management, engineers, superintendent, and foreman as well as subcontractors that are performing substantial work on the Project.*

END OF SECTION

Kicking Horse Dam
Dam and Outlet Works Modification
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SECTION 02 41 10
REMOVAL OF EXISTING FEATURES

PART 1 GENERAL

1.01 MEASUREMENT AND PAYMENT

A. Removal of Existing Outlet Works Concrete Features:

1. Payment: Lump sum price offered in the Price Schedule.
 - a. Includes the following:
 - 1) Removing existing complete outlet works structure with all components.
 - 2) Removing existing concrete canal lining within excavation limits.
 - 3) Breaking removed concrete.
 - 4) Stockpiling broken concrete rubble.
 - 5) Disposing of broken reinforced concrete rubble.
 - 6) Disposing of all metal work within removed structures.

B. Removal of Existing Ninepipe Check Concrete Features:

1. Payment: Lump sum price offered in the Price Schedule.
 - a. Includes the following:
 - 1) Removing existing Ninepipe Feeder Canal check-wasteway structure.
 - 2) Breaking removed concrete.
 - 3) Stockpiling broken concrete rubble.
 - 4) Disposing of broken reinforced concrete rubble.
 - 5) Disposing of all metal work within removed structures.

C. Removal of Existing G-Canal Turnout Concrete Features:

1. Payment: Lump sum price offered in the Price Schedule.
 - a. Includes the following:
 - 1) Removing existing G-Canal Turnout structure and attached pipe.
 - 2) Removing existing G-Canal measuring weir.
 - 3) Breaking removed concrete.
 - 4) Stockpiling broken concrete rubble.

- 5) Disposing of broken reinforced concrete rubble.
- 6) Disposing of all metal work within removed structures.

1.02 SUBMITTALS

- A. Submit the following in accordance with Section 01 33 00 – Submittals.
- B. RSN 02 41 10-1, Removal of Existing Outlet Works Concrete Features Plan:
 - 1. Including but not limited to the following:
 - a. Describe methods, equipment, and sequence to be used.
 - b. Transportation methods for rubble and debris.
 - c. Cleanup operations.
- C. RSN 02 41 10-2, Removal of Existing Ninepipe Check Concrete Features Plan:
 - 1. Including but not limited to the following:
 - a. Describe methods, equipment, and sequence to be used.
 - b. Transportation methods for rubble and debris.
 - c. Cleanup operations.
- D. RSN 02 41 10-3, Removal of Existing G-Canal Turnout Concrete Features Plan:
 - 1. Including but not limited to the following:
 - a. Describe methods, equipment, and sequence to be used.
 - b. Transportation methods for rubble and debris.
 - c. Cleanup operations.

1.03 EXISTING CONCRETE CONDITIONS

- A. Existing concrete consists of cement, sand, broken rock or gravel, reinforcement, trashracks, hydraulic gates, metal gate house, and measuring weir metal fabrications.

PART 2 PRODUCTS

Not Used

PART 3 EXECUTION

3.01 PREPARATION

- A. Verify required limits and items of demolition with the COR prior to removal of existing concrete structures.

3.02 REMOVAL

- A. Perform necessary excavations in accordance with Section 31 23 16 – Excavation of Existing Dam and Dike Embankment, Section 31 23 11 – *Earthwork for Canal Structures*, and Section 31 23 20 – Canal Earthwork.
- B. Blasting will not be permitted for removal of existing concrete structures.
- C. Remove materials associated with the concrete structures identified and to the limits shown on the drawings in accordance with the approved plan.

3.03 DISPOSAL

- A. Dispose of removed debris in accordance with Section 01 74 00 – Cleaning and Waste Management.

END OF SECTION

Kicking Horse Dam
Dam and Outlet Works Modification
Flathead Reservation, Montana

Addendum 002
Solicitation No.

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SECTION 35 21 82

STEEL PIPING

PART 1 GENERAL

1.01 MEASUREMENT AND PAYMENT

A. Steel Piping:

1. Payment: Lump sum price offered in the Price Schedule.
 - a. Includes:
 - 1) 75-inch diameter pipes, 48-inch square to 75-inch round eccentric transitions, and 8-inch diameter vent pipes.
 - 2) Furnishing, delivering, installation, coatings, and testing.

1.02 DEFINITIONS

A. Steel Piping:

1. Details of steel piping are shown on Drawings 6-D-60155 through 6-D-60157.

1.03 REFERENCE STANDARDS

A. American Society of Mechanical Engineers (ASME)

- | | | |
|----|-----------------------|---|
| 1. | ASME B16.5-2020 | Pipe Flanges and Flanged Fittings NPS 1/2 through NPS 24 |
| 2. | ASME B16.9-2024 | Factory Made Wrought Buttwelding Fittings |
| 3. | ASME BPVC-V-2021 | Boiler and Pressure Vessel Code, Section V: Nondestructive Examination |
| 4. | ASME BPVC-VIII-1-2021 | Boiler and Pressure Vessel Code, Section VIII, Division 1: Rules for Construction of Pressure Vessels |
| 5. | ASME BPVC-IX-2021 | Boiler and Pressure Vessel Code, Section IX: Welding and Brazing Qualifications |

B. American Society for Nondestructive Testing (ASNT)

- | | | |
|----|---------------------|---|
| 1. | ASNT SNT-TC-1A-2024 | Personnel Qualification and Certification in Nondestructive Testing |
|----|---------------------|---|

C. ASTM International (ASTM)

- | | | |
|----|------------------|--|
| 1. | ASTM A53/A53M-24 | Pipe, Steel, Black and Hot-Dipped, Zinc-Coated Welded and Seamless |
|----|------------------|--|

- | | | |
|--|-----------------------|---|
| 2. | ASTM A139/A139M-22 | Electric-Fusion (Arc)-Welded Steel Pipe (NPS 4 and Over) |
| 3. | ASTM A234/A234M-24 | Piping Fittings of Wrought Carbon Steel and Alloy Steel for Moderate and High Temperature Service |
| 4. | ASTM A307-21 | Standard Specification for Carbon Steel Bolts, Studs, and Threaded Rod 60 000 PSI Tensile Strength |
| 5. | ASTM A420/A420M-24a | Standard Specification for Piping Fittings of Wrought Carbon Steel and Alloy Steel for Low-Temperature Service |
| 6. | ASTM A572/A572M-21 | Standard Specification for High-Strength Low-Alloy Columbium-Vanadium Structural Steel |
| 7. | ASTM A1011/A1011M-23 | Steel, Sheet and Strip, Hot-Rolled, Carbon, Structural, High-Strength Low-Alloy, High-Strength Low-Alloy with Improved Formability, and Ultra-High Strength |
| 8. | ASTM A1018/A1018M-23a | Steel, Sheet and Strip, Heavy Thickness Coils, Hot Rolled, Carbon, Commercial, Drawing, Structural, High-Strength Low-Alloy, High-Strength Low-Alloy with Improved Formability, and Ultra-High Strength |
| 9. | ASTM E165/E165M-23 | Liquid Penetrant Examination for General Industry |
| 10. | ASTM E709-21 | Magnetic Particle Testing |
| 11. | ASTM E1417-21e | Standard Practice for Liquid Penetrant Testing |
| 12. | ASTM E3024-22a | Standard Practice for Magnetic Particle Testing for General Industry |
| D. American Welding Society (AWS) | | |
| 1. | AWS CQ1:2016 | Specification for AWS Certification of Welding Inspectors |
| E. American Water Works Association (AWWA) | | |
| 1. | AWWA C200-23 | Steel Water Pipe - 6 In (150 mm) and Larger |

2. AWWA C207-23 Steel Pipe Flanges for Waterworks Service,
Sizes 4 In. through 144 In. (100 mm
Through 3,600 mm)

1.04 SUBMITTALS

- A. Submit the following in accordance with Section 01 33 00 – Submittals.
- B. RSN 35 21 82-1, Square to Round Transition Shop Drawings and Data:
 1. Detailed layout showing stations and elevations.
 2. Checked, detailed shop drawings including dimensions and tolerances, material data, joint details, welding requirements, and lining and coating requirements:
 - a. Provide checked box on each drawing indicating date drawing was checked and by whom.
 - b. Joint details to include torque values for bolted connections.
 3. Commercial products data:
 - a. Gaskets.
- C. RSN 35 21 82-2, Steel Liner Shop Drawings and Data:
 1. Detailed layout showing stations and elevations.
 2. Checked, detailed shop drawings including dimensions and tolerances, material data, joint details, welding requirements, and lining and coating requirements:
 - a. Provide checked box on each drawing indicating date drawing was checked and by whom.
 3. Commercial products data:
 - a. Gaskets.
- D. RSN 35 21 82-3: Certifications, Welding Procedures, and Welder's Qualifications:
 1. Statement of Qualifications:
 - a. Welders log showing:
 - 1) Name of welder of welding operator and certification stamp number.
 - 2) Welding procedures/positions for which welder of welding operator is qualified.
 - 3) Certification date and current certification status.
 - b. Certified Welding Inspector.
 - c. Non-Destructive Testing (NDT) Quality Control Personnel.
 2. Procedures:

- a. For all shop and field welds include a complete welding code paper trail with linkage to shop drawings that includes the following:
 - 1) Written Welding Procedure Specifications (WPS) and Procedure Qualification Records (PQR).
 - 2) Provide complete joint dimensions and details showing bevel, groove angles, root face, and root openings for all welded joints.
 - a) Notch-tough welding is required. For shop welding, provide heat-input tables on WPSs for welder guidance.
 - b) For shop welding, address supplementary essential variables in addition to essential variables, as indicated in ASME BPVC-IX, QW-251.2.
 - c) PQRs for notch-tough welding shall document heat-input control by monitoring volts, amps, and travel speed or time-rate of change of weld metal volume as calculated by measuring change in electrode length over a period of time.
 - 3) Written NDT procedures.
 - 4) Weld Procedure Qualifications (WPQ) conducted specifically for Contractor or fabricator performing work.
 - 5) Written consumable control procedure for welding materials demonstrating:
 - a) How consumables will be stored to comply with manufacturer's written instructions.
 - b) How consumables will be dried in ovens prior to use.
 - c) How consumables which become wet will be reconditioned.
- E. RSN 35 21 82-4, Fabricators Instructions for Transporting, Handling, and Storing.
 - 1. Include drawings and/or diagrams demonstrating requirements for piping bracing and stulling during transportation, handling, and storage.
 - 2. Include list of any special equipment required for transporting, handling, and storing pipe.
- F. RSN 35 21 82-5, Notification Prior to Hydrostatic Testing.
- G. RSN 35 21 82-6, Pipe Installation Procedure:
 - 1. Equipment to be used for loading, transporting, unloading, and laying out steel piping and fittings.
 - 2. Describe methods for maintaining circularity and preventing damage to steel piping, fittings, lining and coating during loading, unloading, and laying.

3. Description of exterior pipe support system including:
 - a. Tie down methods to prevent floating during pouring of concrete, including structural calculations and details signed and stamped by a registered professional engineer.
 - b. Material and installation procedures to prevent corroding steel pipe at support locations.
- H. RSN 35 21 82-7, Final Drawings and Data:
 1. Complete set of As-Built drawings.
 - a. Clearly mark Drawings 6-D-60155 through 6-D-60158 to show all field modifications of the final installation.
 - b. Submit in accordance with Section 01 33 00 – Submittals article 1.04 paragraph C.6 and Section 01 78 30 – Project Record Documents.
 2. Reports detailing results of hydrostatic testing including time pressure record of each hydrostatic test.
 3. For all shop and field welds:
 - a. Nondestructive weld testing results including retests after weld repair.
 - b. Certified Welding Inspector (CWI) reports.

1.05 QUALIFICATIONS

- A. Welding and Welding Operators:
 1. Qualified in accordance with ASME BPVC-IX.
- B. Non-destructive Examination Personnel:
 1. Qualified, with current Level II certification, in accordance with applicable method of the ASNT SNT-TC-1A.
 2. After receiving NDT qualification, NDT personnel shall have at least 5 years of professional experience related to welding inspection of similar work.
- C. Certified Welding Inspector (CWI):
 1. In accordance with AWS QC1.
 2. After receiving CWI qualification, CWI shall have at least 5 years of professional experience related to welding inspection similar to the work.
 3. Responsibilities:
 - a. Verify conformance of specified materials and their proper storage.
 - b. Monitor conformance to approved WPS.
 - c. Monitor conformance to approved NDT procedure specifications.

- d. Monitor conformance of WPQ.
- e. 100 percent visually inspect before, during, and after welding.
- f. Supervise NDT personnel and evaluate test results.
- g. Maintain records and prepare report confirming results of inspection and testing.

D. Welding Procedure Specification (WPS):

- 1. Qualified by testing in accordance with ASME BPVC-IX.
- 2. PQRs conducted on unlisted base metal (most coil products are unlisted base metals) to be production welded as required in the referenced welding code shall be traceable to heat lots.
- 3. Written QPS required for all welds.
- 4. WPS used to field weld steel transition and steel liner shall be qualified per ASME BPVC-IX and shall include Supplementary Essential Variables.

1.06 DELIVERY, STORAGE, AND HANDLING

- A. During loading, transporting, unloading, storing, and laying, prevent damage to steel piping linings and coating. Transport and handle in accordance with fabricator's instructions:
 - 1. Provide padded bolsters curved to fit under outside of pipe.
 - 2. Provide heavy padding under ties during transportation and storage.
- B. Maintain circularity of pipe sections during coating, lining, transporting, and installing operations:
 - 1. After lining and coating operations are completed and prior to handling, shipping, laying, and concrete encasement of pipe sections, furnish and place internal supports to maintain circularity.
 - 2. Provide stulls or adjustable spiders.
 - 3. Measured deviation between maximum and minimum diameters at stulls or spiders shall not exceed 0.5 percent of nominal pipe diameter.
- C. Tightly close open ends of shop-applied, lined pipe with plastic wrap for protection of lining and coating during shipment.
 - 1. Plastic wrap:
 - a. At least two thicknesses of 6-mil sheet polyethylene plastic.
 - b. Remain on pipe until installation.
- D. Do not store directly on the ground. Support and store pipe above ground surface. Do not allow pipe and fittings to contact each other or the ground.

- E. Store so that lifting straps can be passed beneath pipe sections.
- F. Provide space to allow personnel to move between pipe sections.
- G. Lift pipes with spreader beams or wide belt slings or padded forklift that will not damage the pipe. Do not use cable slings or chains directly bearing on the pipe.
- H. Provide additional vertical stulls before concrete encasement of welded steel piping.
- I. Cover with tarps and tie down securely.
- J. Repair damage to lining and coating as directed if, in the opinion of COR, a satisfactory repair can be made; otherwise, replace damaged section at expense of Contractor and in accordance with Section 09 96 20 – Coatings.
- K. Add rust protective coating to hold backs on factory coating if pipe is to be stored for longer than 6 months.
- L. Additional field joints may be added by Contractor subject to COR approval.

PART 2 PRODUCTS

2.01 EQUIPMENT

- A. Steel plate (Transition):
 - 1. ASTM A572 Grade 50 or higher, ASTM A1011, SS, Grade 50 or higher.
- B. Standard and Schedule Steel Pipe (Vent):
 - 1. ASTM A53, Type E or S, Grade B:
 - a. Pipe 4-inches in diameter and smaller: Galvanized.
 - b. Pipe larger than 4-inches in diameter: In accordance with Section 09 96 20 – Coatings.
- C. Electric–Fusion– (arc–) Welded, Spiral–Seam Steel Pipe (Steel Liner):
 - 1. ASTM A139, Grade C, D, or E.
- D. Flanges:
 - 1. AWWA C207 or ASME B16.5.
 - 2. Flat face with finish suitable for gasket:
 - a. Provide spiral or concentric serrated grooved flange face gasket surface finishes that are suitable for flat gasket material provided and for operating pressures.

E. Gaskets:

1. Blue-guard, Style 3000 manufactured by Garlock, www.garlock.com; or equal, having the following essential characteristics:
 - a. Dimensional requirements of AWWA C207 or ASME B16.5 as shown on drawings.
 - b. Flat, full face or ring type.
 - c. Non-asbestos.
 - d. Minimum 1/16-inch thick.
2. Elastomeric Gasket (Square Flange)
 - a. Style 7986, manufactured by Garlock, www.garlock.com; or equal, having the following essential characteristics:
 - 1) Dimensional requirements: As shown on drawings.
 - 2) Flat, full face.
 - 3) Neoprene.
 - 4) Below 75A Shore Durometer
 - 5) Minimum 1/16-inch thick.

F. Flange bolts and nuts:

1. ASTM A307, grade A or B.

G. Butt-Welding Steel Fittings:

1. ASME B16.9 and ASTM A234 or ASTM A420 - WPL6.

2.02 FABRICATION

- A. Fabricate steel piping in accordance with these specifications, as indicated on drawings, and in accordance with AWWA C200.
- B. Longitudinal, girth, and spiral joints, other than field welds:
 1. Double-welded butt joints with complete penetration.
 2. Stagger longitudinal joints.
 3. Longitudinal, girth, and spiral joints shall not intersect at outlet connections.
- C. Cut plates accurately to size and shape.
- D. Bend or roll plates to true circular with curvature continuous from edges of plates.
- E. Properly form edges to be joined by welding to suit type of welding and to allow complete penetration.

F. Tolerances:

1. Inside surface of pipe: It shall not be possible to insert at any point a feeler gauge greater than 3/8-inch thickness between a demplate made to the nominal curvature of the inside surface extending over an arch of 30 degrees and the inside surface of the pipe.
2. Ends of straight pipe sections shall line a plane normal to the longitudinal axis of the section with a maximum deviation of 1/8-inch on either side of the plane.

G. Perform welding with a process that protects molten metal from atmosphere:

1. Where practicable, use automatic machines.
2. Where weld metal is deposited in successive layers, clean each layer thoroughly before subsequent layer is deposited.
3. Take particular care in aligning and separating edges of plates to be joined by butt welding so that complete penetration and fusion of welds will be ensured.
4. After welding is complete, remove weld spatter.

H. Protect work and operator from wind, rain, and snow during welding operations:

1. Welding is not permitted on wet surfaces or when temperature of steel is lower than 0 degrees F.
2. Apply heat to welding areas as needed during field installation. At pipe surface temperatures between 0 and 32 degrees F, heat surface of areas within 3-inches of the point where a weld is to be started to at least 60 degrees F.

I. Flanges and flanged connections:

1. During attachment of flanges to associated steel manifold pipe, take adequate steps to ensure that face of flanges remains flat and perpendicular to centerline of attached piping.
2. Remove by machining, initial, residual, or latent irregularities or warping that remains in face of flange after its attachment to steel manifold piping that exceeds the above.
3. After machining, flange thickness shall not be reduced below minimum thickness specified in AWWA C207, ASME B16.5, or as shown on drawings.
4. Weld pipe flanges to the piping so that bolt holes straddle vertical centerline when in the installed position.
5. Provide pipe flanges that connect to valve body flanges with same number of bolt holes, bolt pattern, bolt circle diameter, and face type, flat or raised, as valves to which they are connected.

2.03 CONTRACTOR SOURCE QUALITY TESTING

A. Flange Weld Testing:

1. Test flange welds by magnetic particle or liquid penetrant method in accordance with ASTM E709 and ASTM E3024 or ASTM E165 and ASTM E1417. Repair defects and retest weld.

B. Nondestructive testing of shop welds on square-to-round transition:

1. *Complete inspections and tests as work progresses in presence of CWI and mark to indicate acceptance or rejection.*
2. *CSKT reserves the right to witness and examine the fabrication of the transition at any time.*
3. *Welds: 100 percent visually examined by:*
 - a. *Visual testing (VT) method per ASME BPVC V article 9, acceptance criteria in accordance with ASME BPVC VIII, Division 1, appendix 6.*
4. *Groove Welds: 100 percent examined by:*
 - a. *Ultrasonic testing (UT) method per ASME BPVC-V, Article 4, acceptance criteria in accordance with ASME BPVC-VIII, Division 1, appendix 12.*
5. *Fillet Welds and other partial penetration joint field welds: 100 percent examined by:*
 - a. *Liquid penetrant (PT) method per ASME BPVC-V, Article 6, acceptance criteria in accordance with ASME BPVC-VIII, Division 1, appendix 8 or;*
 - b. *Magnetic particle (MT) method per ASME BPVC-V, Article 7, acceptance criteria in accordance with ASME BPVC-VIII, Division 1, appendix 6.*
6. *When welds are found to be defective by the standards of ASME BPVC, repair welds in accordance with ASME BPVC-VIII-1 and reexamine welds to ensure the adequacy of repairs.*
7. *Caulking or peening of defective welds is not permitted.*
8. *Retest unsatisfactory welds.*

C. Hydrostatic Pressure Testing:

1. Straight sections of steel piping manufactured and hydrostatically tested in accordance with ASTM A53 or ASTM A139 need not be retested.
2. Notify COR a minimum of 30-days before test.
3. The COR may witness hydrostatic test and calibration of pressure gauges.
4. Use 2 or more pressure gauges with one being a recording type:
 - a. Upper limit of pressure gauges shall be between 1.5 and 3 times required test pressure. Calibrate pressure gauges with a deadweight tester.
 - b. Calibrate at least 1 gauge, which is used for acceptance of test, within 30-days prior to use.
 - c. Make a time-pressure record of hydrostatic pressure test.

5. Furnish temporary supports, bulkheads, air vents, dead weight tester, and other equipment necessary to perform hydrostatic tests.
6. If flange is attached to piping section after piping section has been hydrostatically tested, piping section will not require retesting.
7. Water temperature for tests: Greater than 45 degrees F.
8. Vent air from test sections.
9. Fill each section with water and uniformly increase pressure until required test pressure is reached:
 - a. Test Pressure: 20 psig.
 - b. Hold test pressure for a minimum of 15-minutes.
 - c. Apply and release test pressure 3 successive times.
 - d. After each application, hold pressure to 2/3 of required pressure until welded joints and seams can be examined.
 - e. Repair defects. After defects are repaired repeat complete test procedure.
10. After hydrostatic testing is completed, cut sections for handling purposes on planes normal to pipe axis.

PART 3 EXECUTION

3.01 INSTALLATION

- A. Install steel piping to line and grade as shown on drawings.
 1. Install steel manifold pipe in accordance with the approved Pipe Installation Procedure.
- B. Complete welds at pipe joints before placing concrete.
- C. Make welders aware of safety concerns related to welding coated steel pipe.
 1. Refer to Section 09 96 20 – Coatings and Section 3.03 Lining and Coating.
 2. Obtain SDS for coating option selected and provide to welders at least 30 days before commencing welding operations.
- D. Furnish and install supports and bracing as may be required to hold steel piping in place, prevent distortion, and prevent flotation during erection, placing of concrete. Supports and bracing shall bear against the exterior pipe surface a minimum of 120-degrees of the pipe circumference and not create a point load on the pipe:
 1. Embedment of timber supports will not be permitted.
 2. If used for the support system, cables or chains may not bear directly against the steel pipe or concrete reinforcement.

3. Provide stulls or adjustable spiders as needed to maintain circularity of steel tunnel liner.
 - a. Provide three-legged adjustable stulls or three-legged spiders at locations where external supports or bracing are installed to prevent flotation of steel tunnel liner during concrete encasement.
 - b. Keep stulls or spiders in place until placement of tunnel concrete for an individual tunnel liner section is completed and obtained its initial set.
 4. Keep pipe support and bracing in place to prevent distortion during pipe installation and concrete placement.
- E. Contact between pipe and rebar will not be allowed.
- F. Field joints:
1. Field coat interior joints only after intake tower concrete placements are complete and embankment has been completed.
 2. Field joints shown on the drawings are required to facilitate installation of steel transition, steel liner, and air vent piping.
 3. Conform to ASME BPVC-VIII-1, approved welding procedures, and referenced welding codes. In case of conflict, ASME BPVC-VIII-1 shall govern.
 4. Allowable field joints: Complete joint penetration (CJP) butt welds and welds as shown on the drawings.
 5. Allowable field welds: Complete joint penetration (CJP) butt welds and welds as shown on the drawings.
 6. Complete welding and inspection of steel transition, steel liner, and air vent piping before placing concrete.
- G. Prior to encasement in concrete, sandblast the outside surface of the steel piping to remove heavy, flaky rust; loose mill scale; dirt; debris; grease; or other foreign substance.
- H. Extend steel liner 1-foot past concrete impact basin wall and cut pipe flush to wall surface.
1. Repair coating as required by Section 09 96 20 – Coatings.

3.02 CONTRACTOR FIELD QUALITY TESTING

- A. Nondestructive testing of field welds:
1. Complete inspections and tests as work progresses in presence of CWI and COR and mark to indicate acceptance or rejection.
 2. Welds: 100 percent visually examined by:
 - a. Visual testing (VT) method per ASME BPVC V article 9, acceptance criteria in accordance with ASME BPVC VIII, Division 1, appendix 6.

3. Groove Welds: 100 percent examined by:
 - a. Ultrasonic testing (UT) method per ASME BPVC-V, Article 4, acceptance criteria in accordance with ASME BPVC-VIII, Division 1, appendix 12.
 4. Fillet Welds and other partial penetration joint field welds: 100 percent examined by:
 - a. Liquid penetrant (PT) method per ASME BPVC-V, Article 6, acceptance criteria in accordance with ASME BPVC-VIII, Division 1, appendix 8 or;
 - b. Magnetic particle (MT) method per ASME BPVC-V, Article 7, acceptance criteria in accordance with ASME BPVC-VIII, Division 1, appendix 6.
 5. When welds are found to be defective by the standards of ASME BPVC, repair welds in accordance with ASME BPVC-VIII-1 and reexamine welds to ensure the adequacy of repairs.
 6. Caulking or peening of defective welds is not permitted.
 7. Retest unsatisfactory welds.
- B. Prepare field welded surfaces and recoat in accordance with Section 09 96 20 – Coatings.

3.03 LINING AND COATING

- A. Refer to Section 09 96 20 – Coatings.
- B. Notify COR a minimum of 7 days prior to the start of shop surface preparation, coating, or lining application work.
 1. COR will witness shop coating and lining of welded steel piping unless otherwise directed.
 2. Damaged or defective coating or lining, as determined by the COR, shall be removed and repaired in accordance with Section 09 96 20 – Coatings.
- C. Hold linings and coatings back from edges and joints to be field welded.
- D. Notify COR a minimum of 7 days prior to the start of field surface preparation, coating, or lining application work.

END OF SECTION

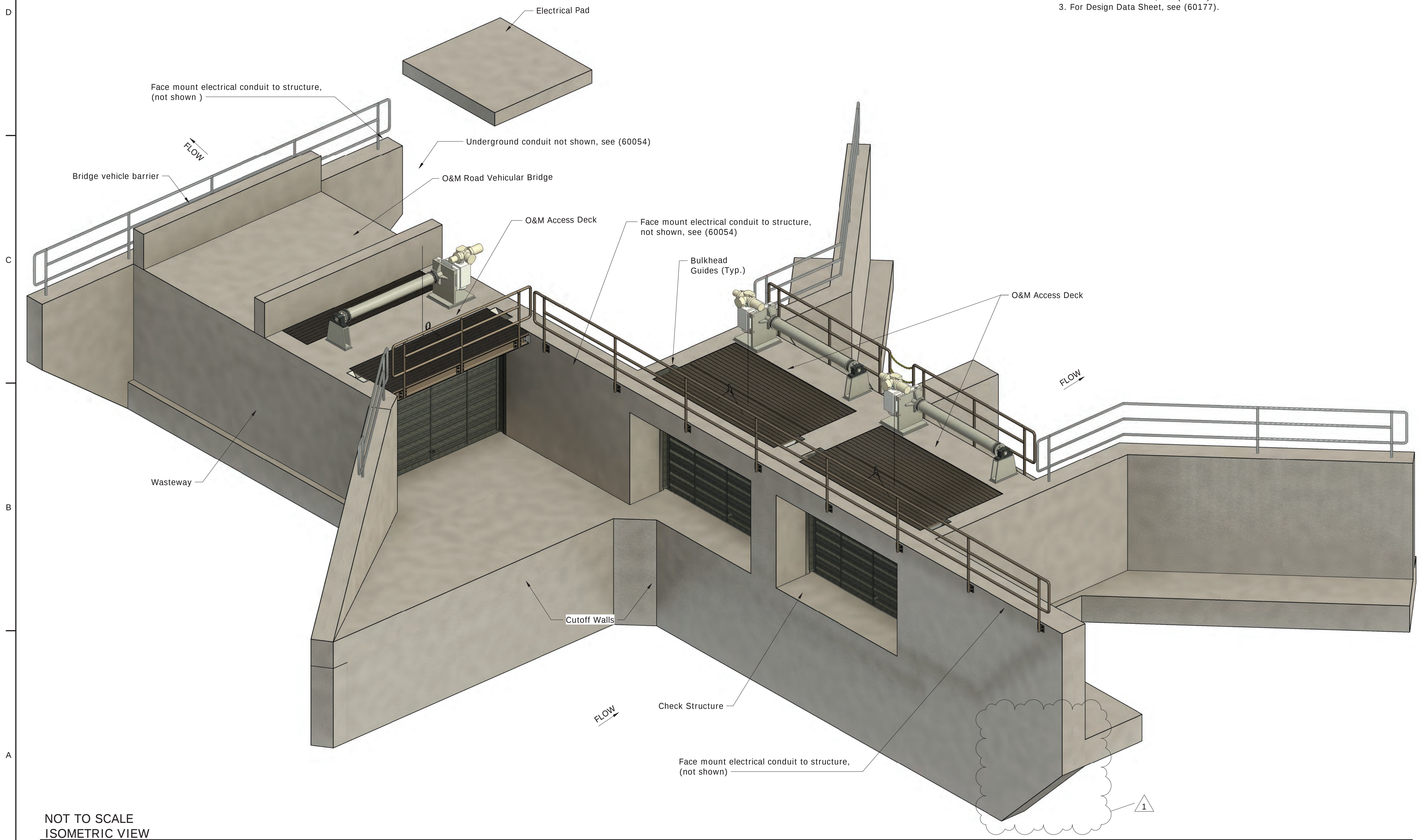
Kicking Horse Dam
Dam and Outlet Works Modification
Flathead Reservation, Montana

Addendum 002
Solicitation No.

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NOTES

1. For general notes, general concrete outline notes, and general reinforcement notes, see (60177), 40-D-60003, and 40-D-60004.
2. For concrete outlines, see (60087).
3. For Design Data Sheet, see (60177).



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U.S. DEPARTMENT OF THE INTERIOR
BUREAU OF RECLAMATION
FLATHEAD INDIAN IRRIGATION PROJECT
THE CONFEDERATED SALISH AND KOOTENAI TRIBES

KICKING HORSE DAM AND DIKES
KICKING HORSE DAM AND DIKES MODIFICATION

REV	NO	STA.	DATE	BY	DESCRIPTION
1			2026-07-15	NICHOLAS	Updated wall geometry.
				CLOUGH	

DESIGNED	EARL MATTHEWS
DRAWN	KADEN MUCKEY
CHECKED	THOMAS SCOBELL
TECH. APPR.	DANIEL GIBAS, P.E.
APPROVED	CHOU CHIA, P.E.

DENVER, CO 2025-03-15

CHECK-WASTEWAY
ISOMETRIC
6-D-60086



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U.S. DEPARTMENT OF THE INTERIOR
BUREAU OF RECLAMATION
FLATHEAD INDIAN IRRIGATION PROJECT
THE CONFEDERATED SALISH AND KOOTENAI TRIBES

KICKING HORSE DAM AND DIKES
KICKING HORSE DAM AND DIKE MODIFICATION

REV	NO	STA.	2026-07-15	NICHOLAS	2025-03-15	ADDENDUM 002: Updated wall geometry.
1	D					CLOUGH

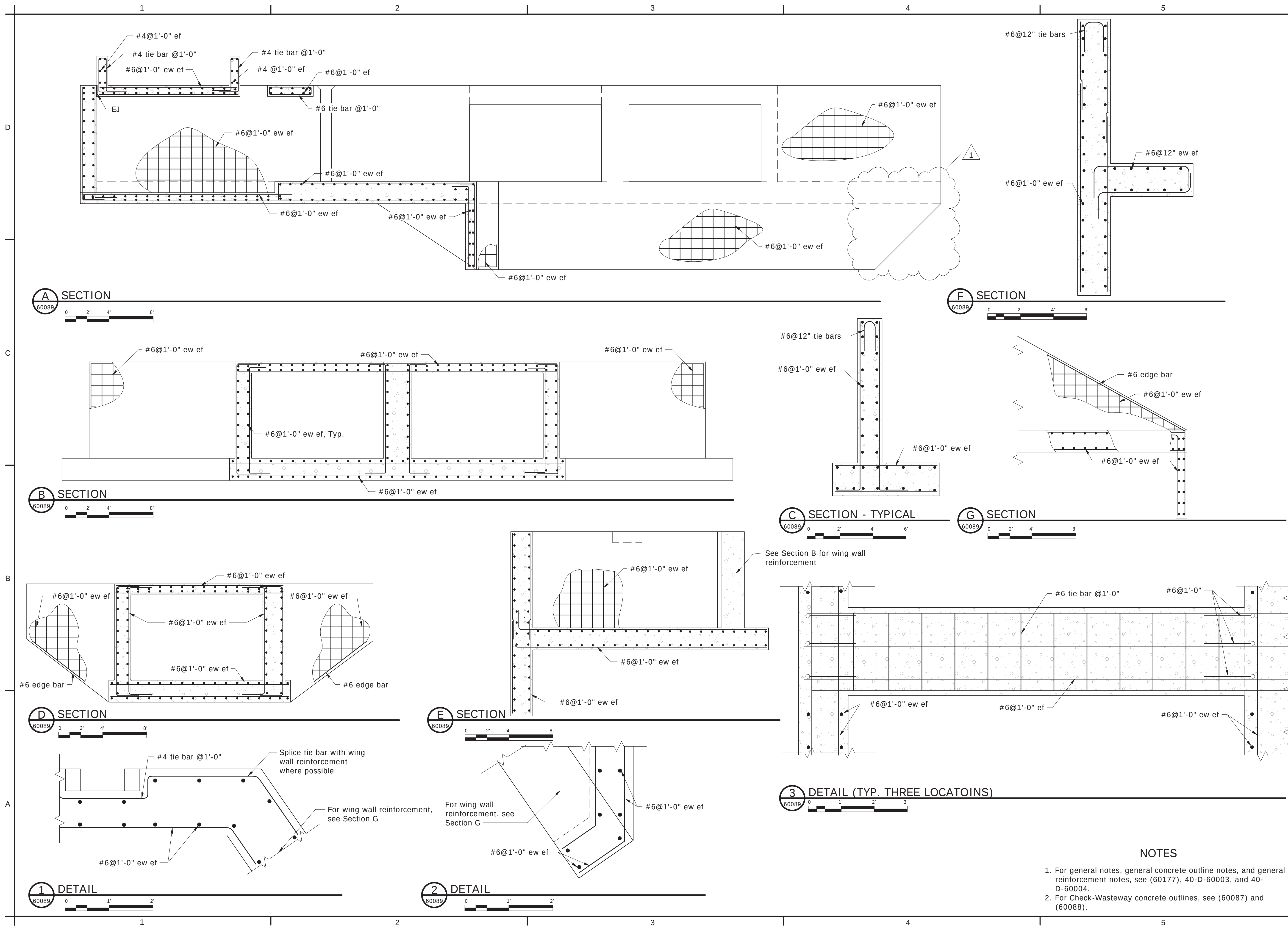
DESIGNED	EARL MATTHEWS
DRAWN	KADEN MUCKEY
CHECKED	THOMAS SCOBELL
TECH. APPR.	DANIEL GIBAS, P.E.
APPROVED	CHOU CHIA, P.E.

DENVER, CO 2025-03-15

CHECK-WASTEWAY
REINFORCEMENT

SECTIONS AND DETAILS

6-D-60090



NOTES

- For general notes, general concrete outline notes, and general reinforcement notes, see (60177), 40-D-60003, and 40-D-60004.
- For Check-Wasteway concrete outlines, see (60087) and (60088).

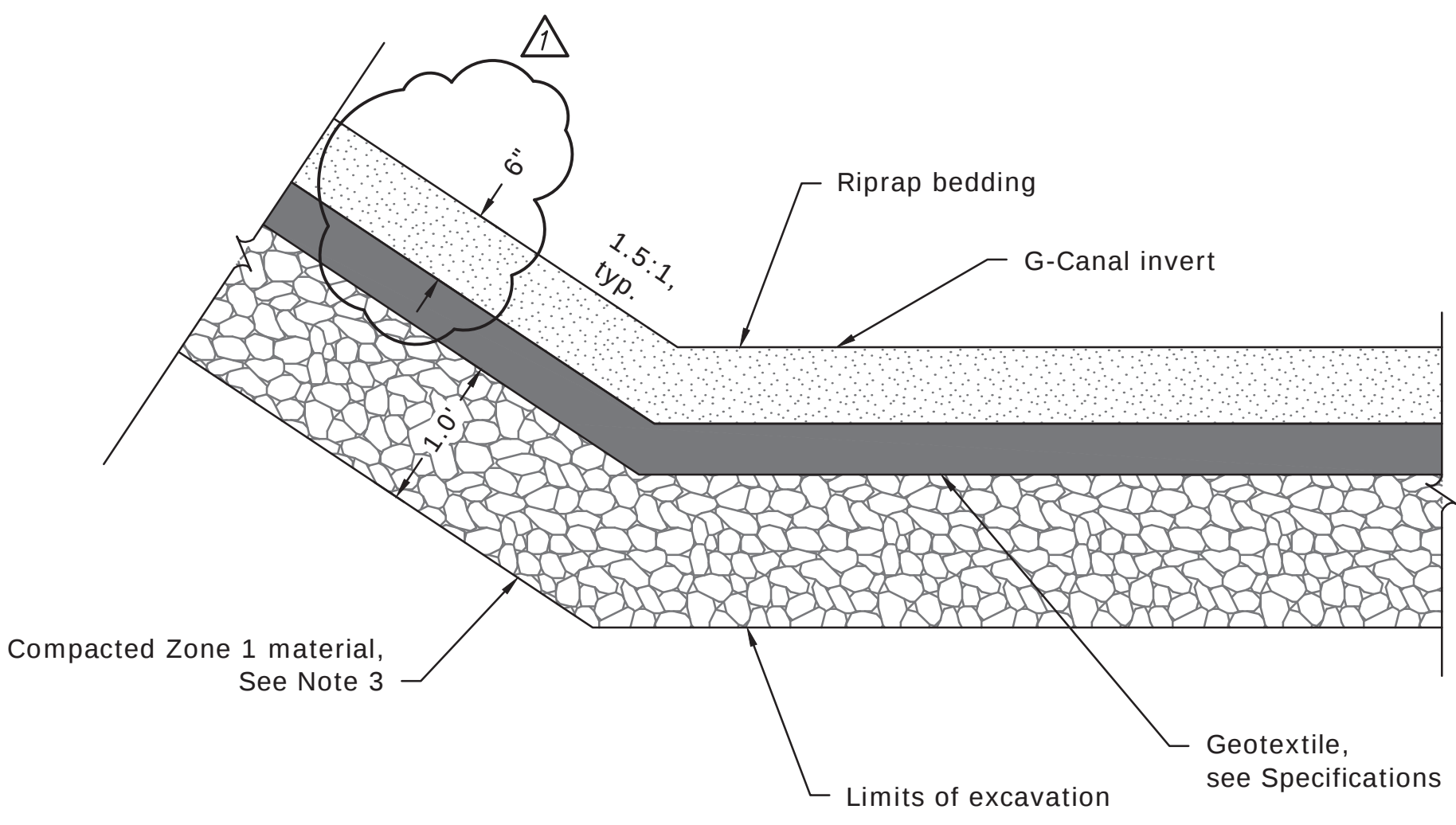
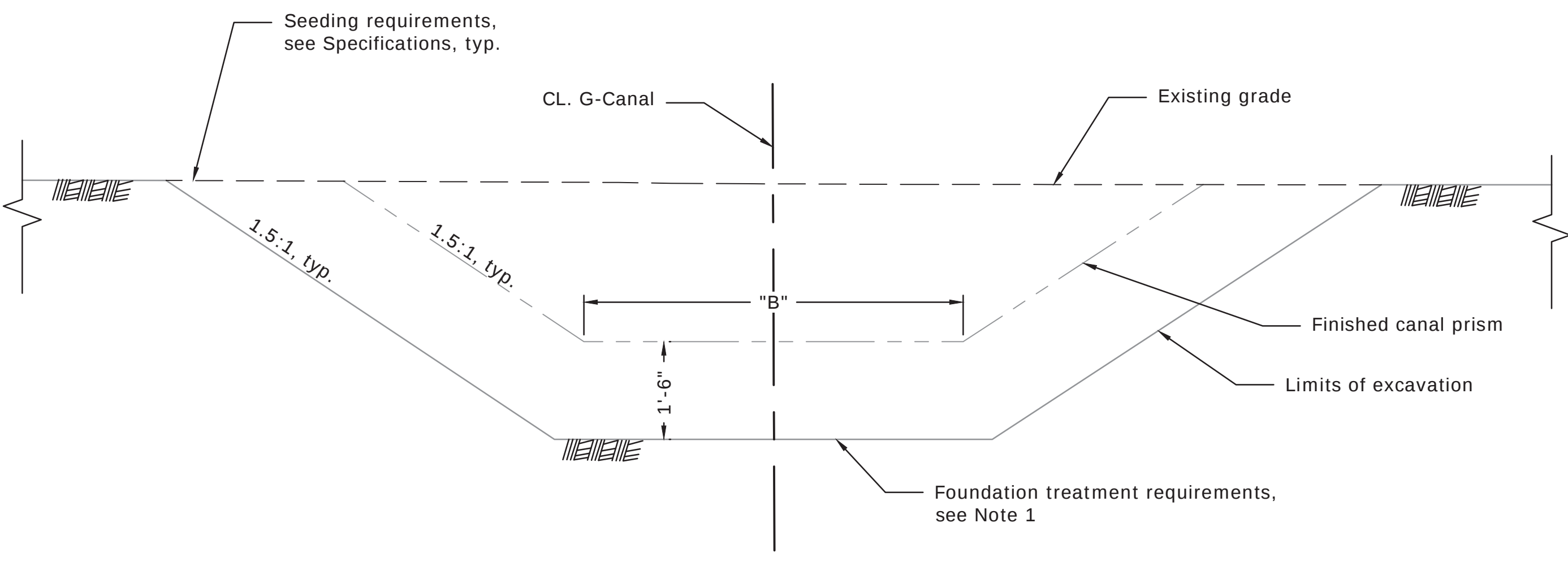
Released

D

C

B

A

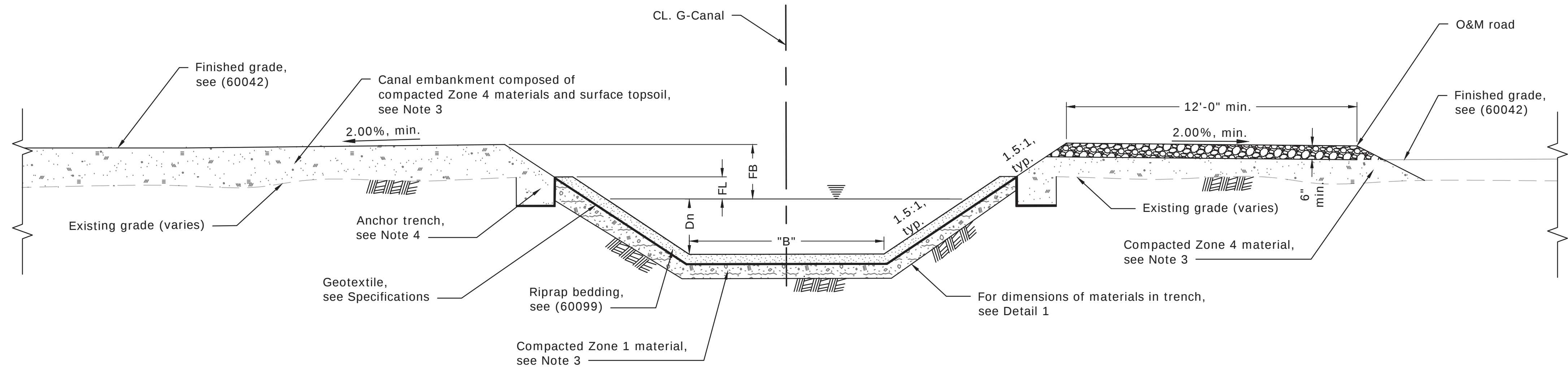


C
60096
1" = 20'

TYPICAL SECTION - G-CANAL EXCAVATION

1
1" = 1'

DETAIL - G-CANAL RIPRAP BEDDING



C
60096
1" = 30'

TYPICAL SECTION - G-CANAL

HYDRAULIC PROPERTIES TABLE

Canal Section	Q (ft ³ /s)	"B" (ft)	"Dn" (ft)	FL (ft)	FB (ft)	S (ft/ft)	n	V (ft/s)	A (ft ²)	Rh (ft)	ss
G-Canal Type I riprap lined section	115.0	9.00	2.85	0.23	1.98	-0.00240	0.031	3.04	6.95	1.026	1.50
G-Canal riprap bedding and geotextile lined section	115.0	9.00	2.85	0.23	1.98	-0.00089	0.023	3.04	6.95	1.026	2.00

NOTES

- For foundation preparation and embankment construction, see Specifications.
- G-Canal plan and profile, see (60096).
- For placement and compaction requirements of Zone 1, Zone 4 and topsoil material, see Specifications.
- Anchor trench on G-Canal to match anchor trench on the Ninepipe Feeder Canal, see (60100).

ALWAYS THINK SAFETY

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CONFEDERATED SALISH & KOOTENAI TRIBES
KICKING HORSE DAM AND DIKES
KICKING HORSE DAM AND OUTLET WORKS
MODIFICATION

REV. NO. 1
2026-07-22
Vogt, Logan D P.E.
Detail 1 riprap bedding dimension changed from 1.0' to 6" per Addendum 002.

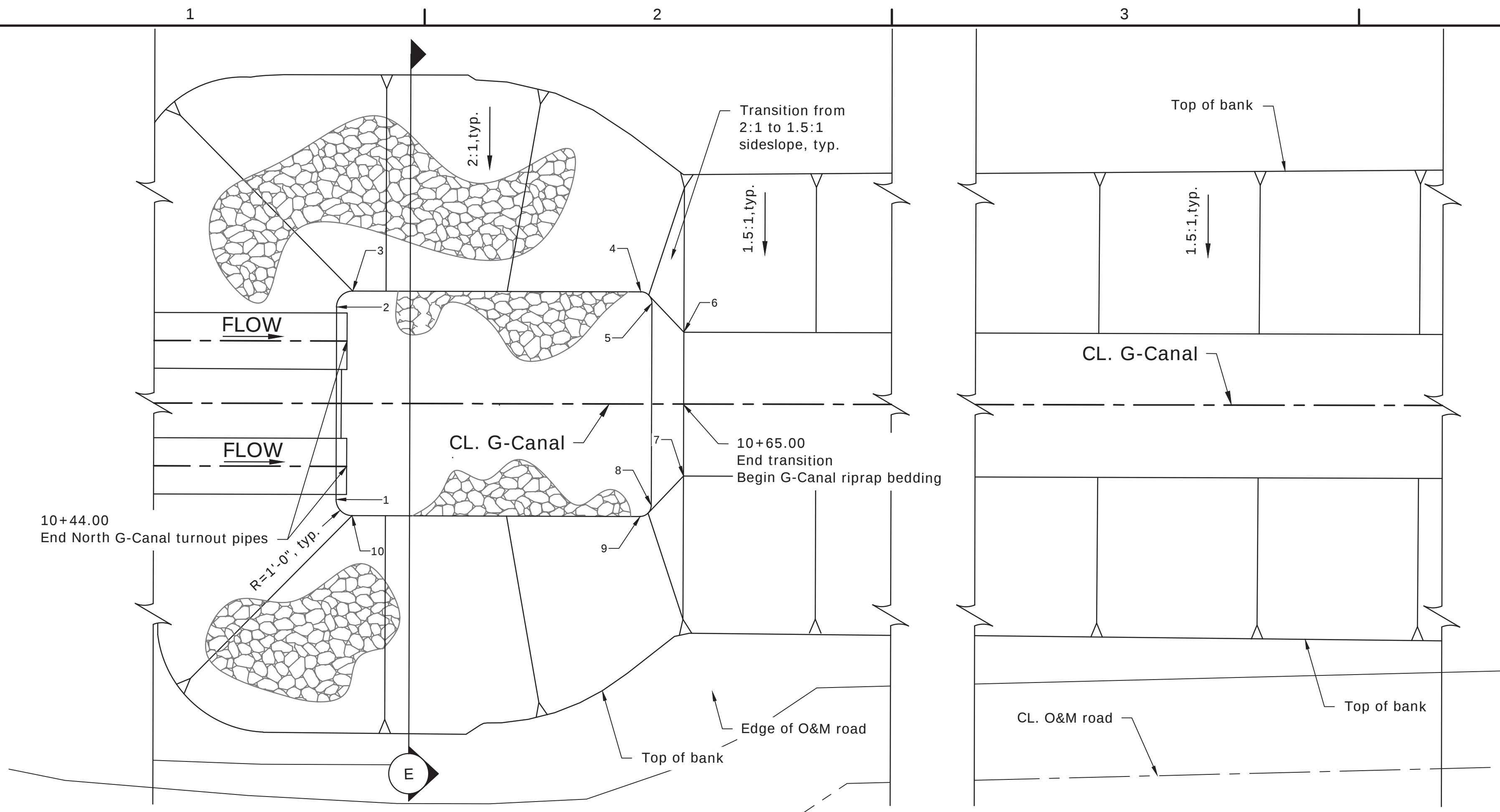
M. GEMPERLINE
DESIGNED
M. GEMPERLINE
DRAWN
K. WHITESELL
CHECKED
Lorberau, Jeremy M P.E.
TECH. APPR.
Norris, Michelle L
APPROVED
PEER REVIEWER
DENVER, CO 2025-03-04

G-CANAL
TYPICAL SECTIONS AND
DETAIL

6-D-60098
SHEET 1

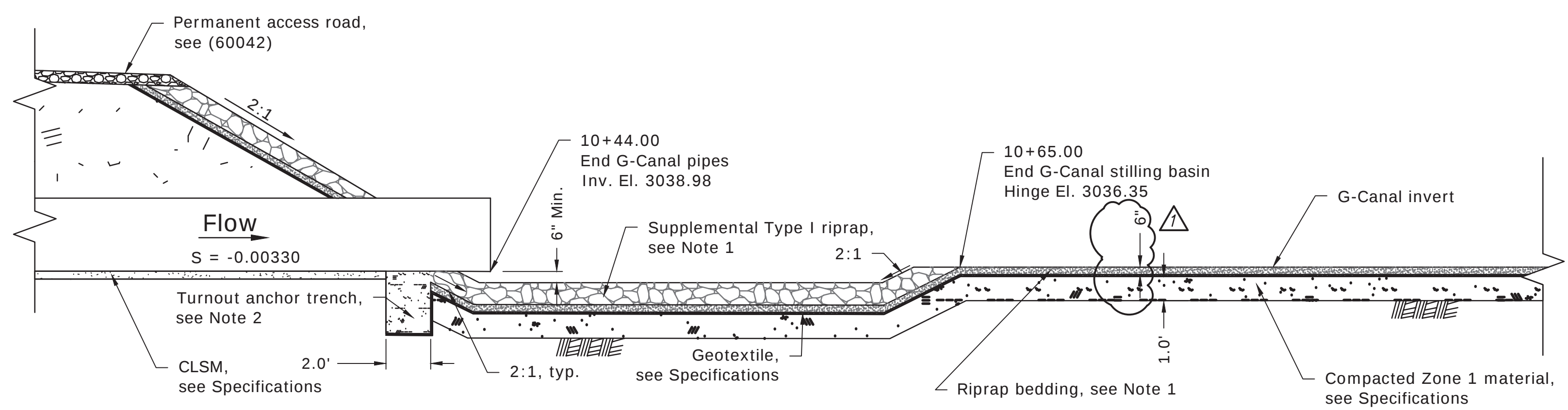
LAST SAVED DATE
2026-07-21
LAST SAVED BY
KAS/SHW/AV

CAD SYSTEM
AutoCAD 25.05 (LMS TECH)
6-D-60098-RD-1.DWG

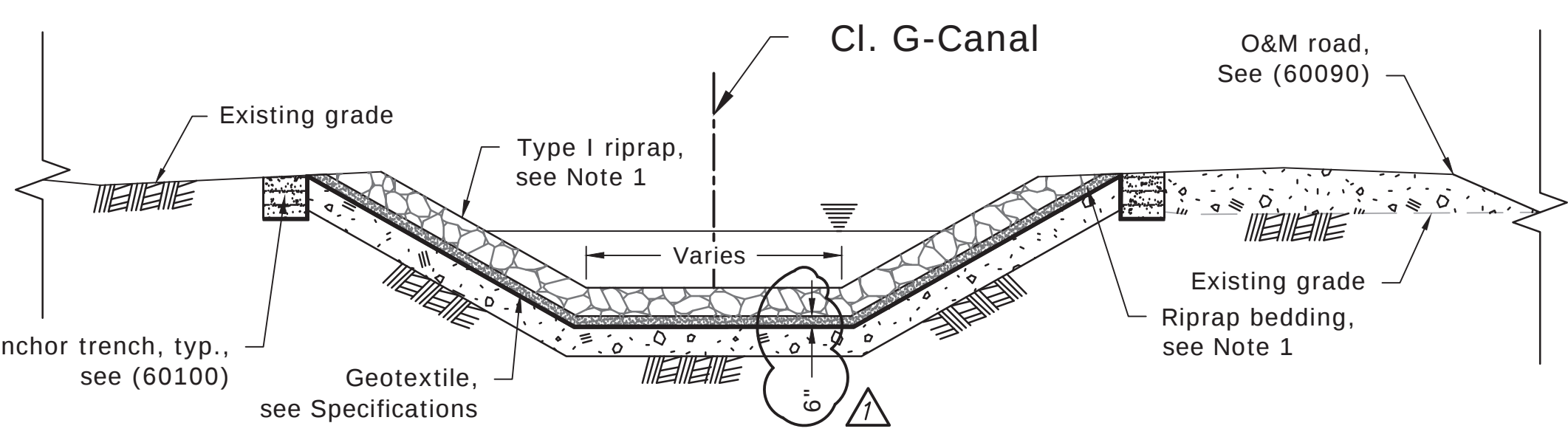


STILLING BASIN POINT TABLE			
Point	Northing	Easting	Elev.
1	1200878.89	837257.83	3036.15
2	1200890.43	837261.13	3036.15
3	1200891.11	837262.36	3036.15
4	1200886.18	837279.63	3036.15
5	1200885.32	837280.11	3036.15
6	1200883.03	837281.53	3036.35
7	1200874.41	837279.07	3036.35
8	1200873.19	837276.64	3036.15
9	1200872.72	837275.78	3036.15
10	1200877.65	837258.52	3036.15

PARTIAL PLAN - G-CANAL STILLING BASIN, RIPRAP BEDDING, AND GEOTEXTILE
1" = 5'



PROFILE - G-CANAL AND RIPRAP BEDDING AND GEOTEXTILE
NOT TO SCALE



TYPICAL SECTION - STILLING BASIN RIPRAP
NOT TO SCALE

- NOTES
- For riprap under turnout pipes and bedding material details and gradation, see Specifications.
 - Turnout anchor trench runs perpendicular to canal centerline at the G-Canal turnout.

CAD SYSTEM
AUTOCAD 25.05 (LMS TECH)
LAST SAVED DATE
2026-07-21
LAST SAVED BY
KJ SHAW
6-D-60099-RD-1.DWG



ALWAYS THINKSAFETY

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KICKING HORSE DAM AND DIKES
KICKING HORSE DAM AND OUTLET WORKS
MODIFICATION

DESIGNED	D	Existing ground surface was added to section H representing where Zone 4 material can be placed.
DRAWN	2	2026-07-22 Vogt, Logan D P.E.
CHECKED	1	2026-01-16 Lorberau, Jeremy M P.E.

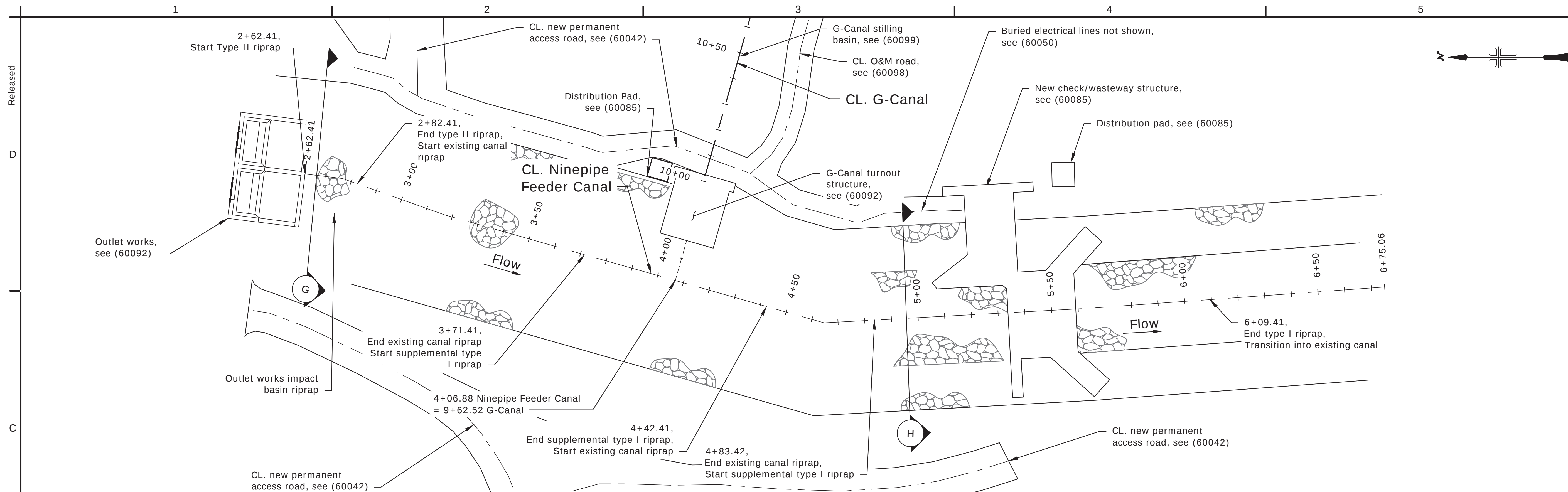
M. GEMPERLINE
DESIGNED
M. GEMPERLINE
DRAWN
K. WILSON
CHECKED
Lorberau, Jeremy M P.E.
TECH. APPR.
Norris, Michelle L.
APPROVED
ADMIN APPROVAL
DENVER, CO
2026-03-04

NINEPIPE FEEDER CANAL
WASTEWAY/CHECK
STRUCTURE AND RIPRAP

PARTIAL PLAN, SECTION
AND DETAIL

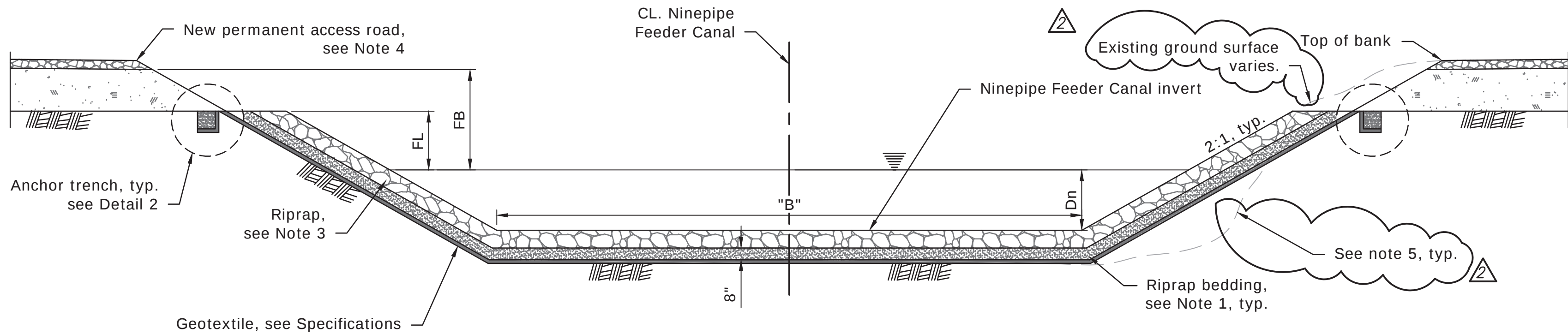
6-D-60100

SHEET 1



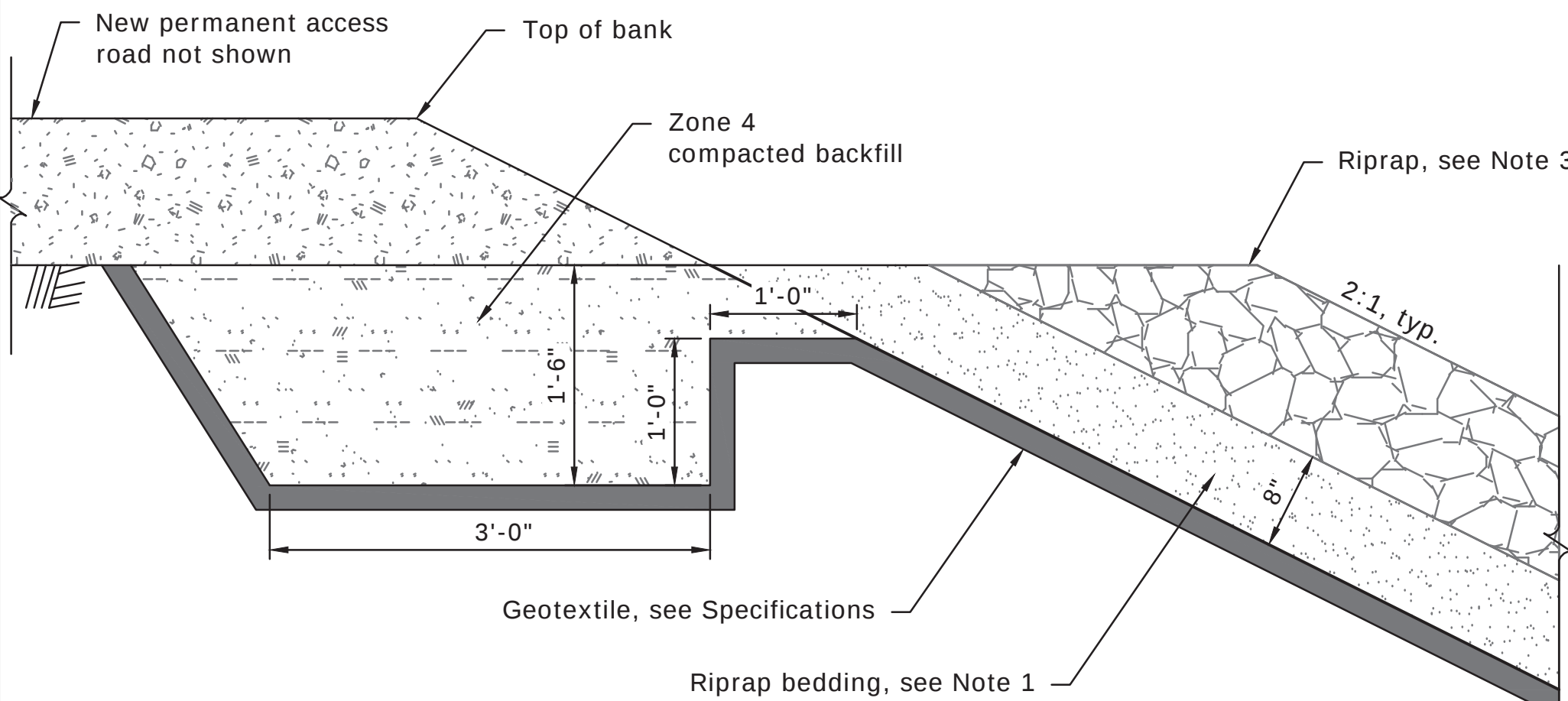
PARTIAL PLAN - NINEPIPE FEEDER CANAL CHECK/WASTEWAY STRUCTURE AND RIPRAP

1" = 20'



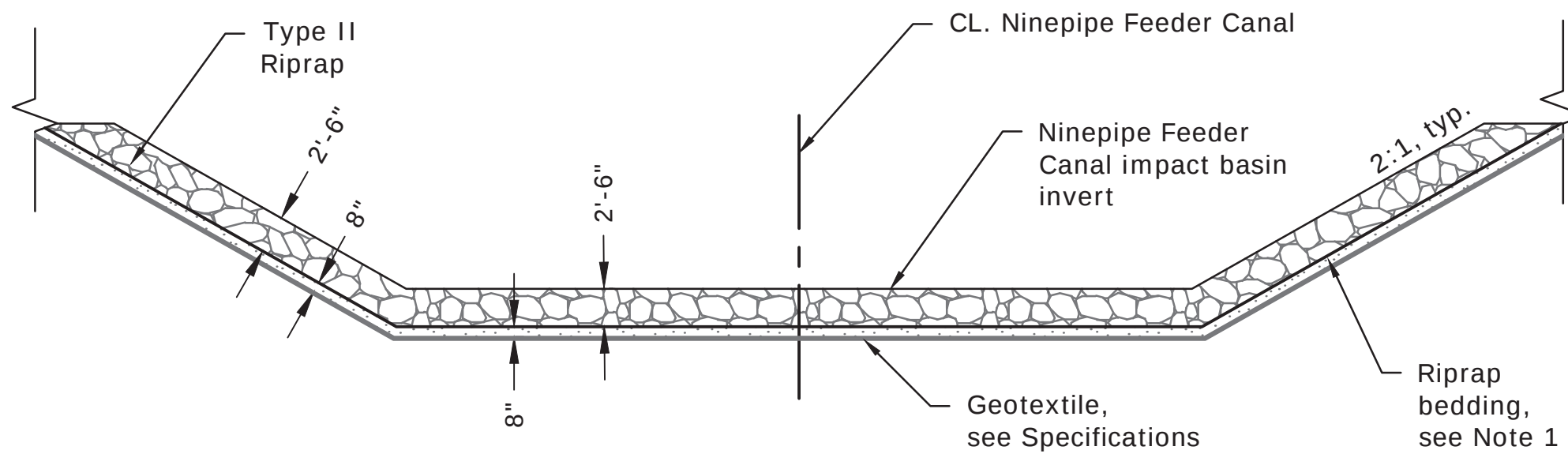
TYPICAL SECTION - NINEPIPE FEEDER CANAL RIPRAP

1" = 5'



DETAIL - GEOTEXTILE ANCHOR TRENCH

1" = 1'



SECTION - NINEPIPE FEEDER CANAL OUTLET WORKS IMPACT BASIN RIPRAP

1" = 10'

HYDRAULIC PROPERTIES TABLE											
Canal section	Q (ft ³ /s)	"B" (ft)	"Dn" (ft)	FL	FB	S (ft/ft)	n	V (ft/s)	A (ft ²)	Rh (ft)	
Ninepipe Feeder Canal type II riprap lined section	750	40.0	3.36	0.91	3.32	-0.00340	0.034	3.65	180.00	2.80	
Ninepipe Feeder Canal existing type I riprap lined section	750	33.0	3.27	0.91	3.32	-0.00200	0.031	3.65	180.00	2.80	
Ninepipe Feeder Canal Supplemental type I riprap lined section	750	33.0	3.41	0.91	3.32	-0.00200	0.031	3.65	180.00	2.80	

RIPRAP TRANSITION TABLE			
Riprap Type	Start	End	"B" (ft)
Type II riprap	2+62.41	2+82.41	40.0
Existing canal riprap	2+82.41	3+71.41	33.0
Supplemental type I riprap	3+71.41	4+42.41	33.0
Existing canal riprap	4+42.41	4+83.42	33.0
Supplemental type I riprap	4+83.42	6+09.41	33.0

NOTES

- For riprap and bedding material details and gradation, see Specifications.
- Geotextile anchor trenches shall be located at the upstream and downstream ends of Ninepipe Feeder Canal check/wasteway structure and downstream end of Ninepipe Feeder Canal extents of this Project.
- Riprap type and size vary downstream of the Ninepipe Feeder Canal outlet works, see Riprap Transition Table.
- 6" gravel surfacing, similar to (60098).
- Where existing ground surface requires fill, use Zone 1 material per Specifications.