

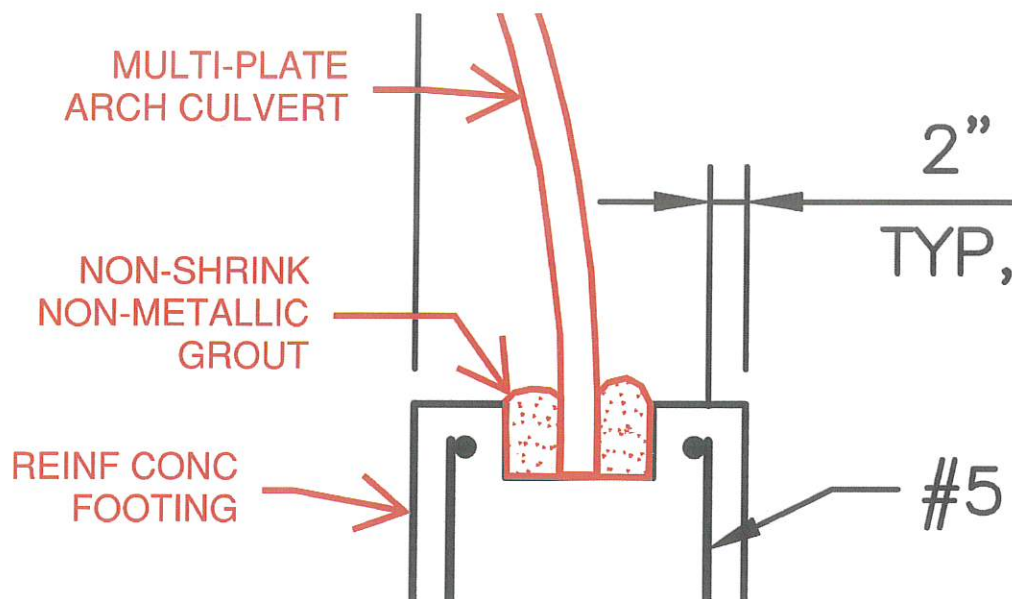
Subject:

RE: North Eden Creek - Reissued For Construction Plans & Specifications

All,
We've had a few questions come in on the updated plan set. Please see the questions and responses below in red:

- Please confirm the scope of work for Bid Item #4 for Contractor Access. It was noted in the pre-bid site visit that the proposed contractor access is no longer available.
 - Yes, you can develop an access road along the north side of the channel. You need to take care not to disturb any ground on the Peterson property. The property line comes in close with the powerline but there is room to get equipment down to the creek that way. Staging and storage is available east of N. Cisco Road.
- Please clarify the repairs that need to be made to the 6" PVC Irrigation Return Pipe per note on C002
 - Repairs to the 6" PVC Irrigation Return Pipe is no longer an option. The property owner will not allow us to access the property to use the return pipe. However, the rancher leasing the property diverts the creek up until September 1st (September 15th at the latest) before switching to well water. Creek flows from September 1st through October 1st are typically less than 1.5 cfs on a wet year. The contractor should be prepared to manage at least this much water through the site.
- Please clarify if the structure excavation for the culvert can be used for backfill in the downstream flood plain Bid Item #25
 - As long as we don't excavate a historic trash pile, it's a safe assumption that the embankment material excavated for the new culvert will make good floodplain fill material.
- Please confirm that we are not required to price Bid Items #28 and #29
 - You are not required to price the Diversion Improvement items (#28 and #29). We will work with the irrigator to finalize the design on these items and then the awarded Contractor will then submit a change order based on the final design.
- Please clarify, based off pre-bid meeting discussions, that the Clear and Grub material needs to be mulched or can it be chipped. **(see note 2 on C001)**
 - The clear and grub material will be chipped.
- What bid item are the pools and rock vanes to be priced and confirm quantity Detail C901 on GC001(Note B on page C001)
 - The pools are part of Item #25 Streambed Alluvial Material (Native) and #26 Habitat Boulders (Native). Detail C901 is part of the Diversion Improvements. You do not need to include that in the bid.
- Clarify Rip Rap Bedding Spec as Bid Schedule says 3-inch minus and Specs say to use SF which is a 1 1/2" max
 - See Specification 31 37 00 – Riprap for bedding gradation (3-inch minus)
- There is no Note 6 on C102 that refers to the material for the stream bed. Please clarify (Look on Detail C902 on Drawing GC001)

- For Section A on C102, that should read “(See Note 5)”. Streambed material will consist of alluvial fill obtained from the adjacent embankments and mixed with the cobble/habitat boulders piled at the lower end of the project. Detail C902 is representative of the stream bed throughout the project. Within the culvert, we want to take extra care with the placement of habitat boulders to make sure the channel has adequate roughness. The engineer will be on-site during the culvert channel grading to work with the contractor on material placement.
- Clarify material to be used for Streambed (is it note above detail drawing C902 or on Gradation Note 2 on C902.
 - Streambed material is per Detail C902 and gradation Note 2 applies.
- The bid schedule states that bid item 28 will be negotiated as a change order, but the plans state that bid items 27 and 28 will be optional items.
 - The diversion improvement work (head gate and rock vane) will be a change order. Do not include in this bid.
- The concrete specs call for hydraulic cement and water stops, but nothing is called out on the plans. Will these items be required.
 - There is only one type of concrete required for the footers. Water stop is not required.
- Are control joints required in the concrete foundation walls? There is verbiage in the specifications.
 - Control joints would be required if the foundation were poured in shorter sections. The drawings show a single pour for the footer and single pour for the stem wall. If you need to pour in sections, let me know and I can provide you with a control joint detail.
- Will any grouting other than defects in the concrete consolidation be required?
 - Yes. Once the multiplate arch pipe has been installed, the 8” channel in the concrete footer will be filled in with non-shrink grout. See figure below.



- Is the filter fabric shown on detail C202 the only area that is required?
 - Yes.
- Does the contractor have to pay the landowner for the embankment material used for floodplain fill?
 - No. The contractor should assume that raw material costs for any of the on-site materials will be paid for by TU. This includes embankment material as well as the native habitat boulders stockpiled downstream of the project. The contractors costs for these items should be based on handling and installation only.
- What is to be done exactly with the RMP line? Who is responsible and will there be a bid item accounted for this?
 - Management of the RMP line is the responsibility of the Contractor and needs to be coordinated with Rocky Mountain Power. Please add this to your bid as a line item under the Site Work section.

- We came up with a quantity of 750 CY of pit run needed for the Temp road from the cross sections provided. The bid item sheet shows 70 CY. Please Clarify.
 - AutoCAD came up with the following: CUT 278 CY, FILL 653 CY, NET FILL 375 CY. I subtracted the 310 CY of ¾" minus for the road base from the net fill and rounded up to get 70 CY of pit run. This calculation assumes that all cut material can be used for fill and did not account for loss of material from clearing vegetation and topsoil. If we assume 4" of fill material lost from vegetation/topsoil, the pit run fill would be about 310 CY, according to my calcs.

Thanks,

Jake Woodbury, PE

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