

**Washington Department of Fish & Wildlife
Soos Creek Hatchery Supply Pipe Replacement
Project No. KG:H7:2022-1**

**Supplemental Q&A #1
6/2/2022**

Q: What is the liquidated damages cost per day for this project for items that won't be available before the substantial completion date?

A: See Specifications Section 00330 for liquidated damages.

Q: For the riser assembly sections you call out steel piping for the piping above ground. What is the material for the piping underground? You call for 8" MJ tees & 90 elbows. And since you can't do that with steel pipe I'm assuming the underground is DI pipe?

A: Ductile Iron, Sch 80 PVC, C900, or HDPE is acceptable for the 8" UG pipe.

Q: If the underground pipe is DI where would the transition to steel pipe be and what type of connection would you want for this? FL, Groove, Ect.

A: The Contractor is allowed some flexibility in achieving the end result shown. Please base your bid on the information provided.

Q: If the underground pipe is steel what other connection types would you want for these fittings? FL, Groove, Ect.

A: The Contractor is allowed some flexibility in achieving the end result shown. Please base your bid on the information provided.

Q: Does the 8" flex coupling in the riser assemblies need to be restrained?

A: Provide restrained couplings per Specifications Section 15007.

Q: For the 8" underground butterfly valves for the riser assemblies. Per the spec it appears you want ground level position indicators & valve stem extensions per detail C-640 on sheet 10. Yet you also call out a valve box to encompass the valves and drainage ports. The only valve box type that is large enough to do this would be an concrete vault. If we install a concrete vault in that location it would customize the butterfly valve to extend the arm out past the vault wall. You would be lucky to get that valve within a year right now in today's market. Would it be possible to move the hose bib location above ground below the flow meter port? Or if you are using this for a drainage valve for the pipe could a frost free yard hydrant be installed in those locations so the valve box wouldn't be needed and the 8" valve customized to be able to work with a concrete vault?

A: Detail C-640 pertains to the 42" butterfly valves. Actuators for the 8" valves will be inside the valve boxes as shown on Sheet 19. Any modifications to the current design would be negotiated with the successful Contractor. Please bid based on the information provided.

Q: do the owner provided valves & any other flanged connections come with bolt kits & gaskets?

A: No, bolt kits & gaskets were not indicated on the list of Owner-provided items or associated submittals.

Q: is the answer to question #7 is no then please provide a bolt pattern for the 42" butterfly valves.

A: Awaiting clarification from supplier.

Q: for the 8" relocated pond supply pipe you do not have a profile. What is the vertical tee & vertical 90 connecting to?

A: These fittings will be used to connected to the round ponds by Owner.

Q: the pressure pipe from lift station to PA relocation. What type & size of pipe is this? Is this restrained piping? Any chance you can provide a detail of what you are looking for?

A: See Note 2 on Drawing Sheet 13.

Q: for the new 42" & 36" steel wall thimbles for the existing distribution box 1 what is the coatings & linings spec?

A: Coatings are specified in Section 09800. Please base your bid on the information provided.

Q: for the new 42" X 36" Flex Couplings for the existing distribution box 1 do those need to be restrained?

A: See Owner Furnished items in Specifications Section 01011.

Q: for the 42" concrete encased steel pipe what is the coatings & linings spec?

A: Coatings are specified in Section 09800. Please base your bid on the information provided.

Q: for the 42" concrete encased pipe per details on sheet 15. It appears that you have a flange with a possible restrained flanged coupling adapter? Or is that a flexible coupling?

A: This is an owner furnished flex coupling.

Q: if it is a flexible coupling does it need to be restrained?

A: See Owner Furnished items in Specifications Section 01011.

Q: if it is a restrained flanged coupling adapter can you provide a spec for one that works on HDPE pipe?

A: N/A

Q: if any of the flexible couplings on the HDPE pipe need to be restrained the M11 harnesses called out in the spec will not work for HDPE pipe. Can you provide a detail or an alternative to make these connections restrained.

A: N/A

Q: I don't see any back up rings or flange adapters in your owner provided materials list. What DR rating and material type for the backup ring?

A: Per Specifications Section 15007, provide flanged coupling adapters specifically designed suitable for the fluid service and pressure rating.

Q: I have a question about the compost blanket for the TESC measures. Is this erosion control blanket? Or is it spreading actual compost and seeding it?

A: Erosion control measures are as determined by the Contractor, to be approved by the Owner and adjusted as needed to meet King County Stormwater Management requirements.

Q: Where is the fish transfer pipe to be relocated to?

A: The fish transfer pipe will terminate in the same location with adjustment as needed to avoid conflict with new 42" valve.

END OF SUPPLEMENTAL Q&A #1