



St. Johns River

Water Management District

Ann B. Shortelle, Ph.D., Executive Director

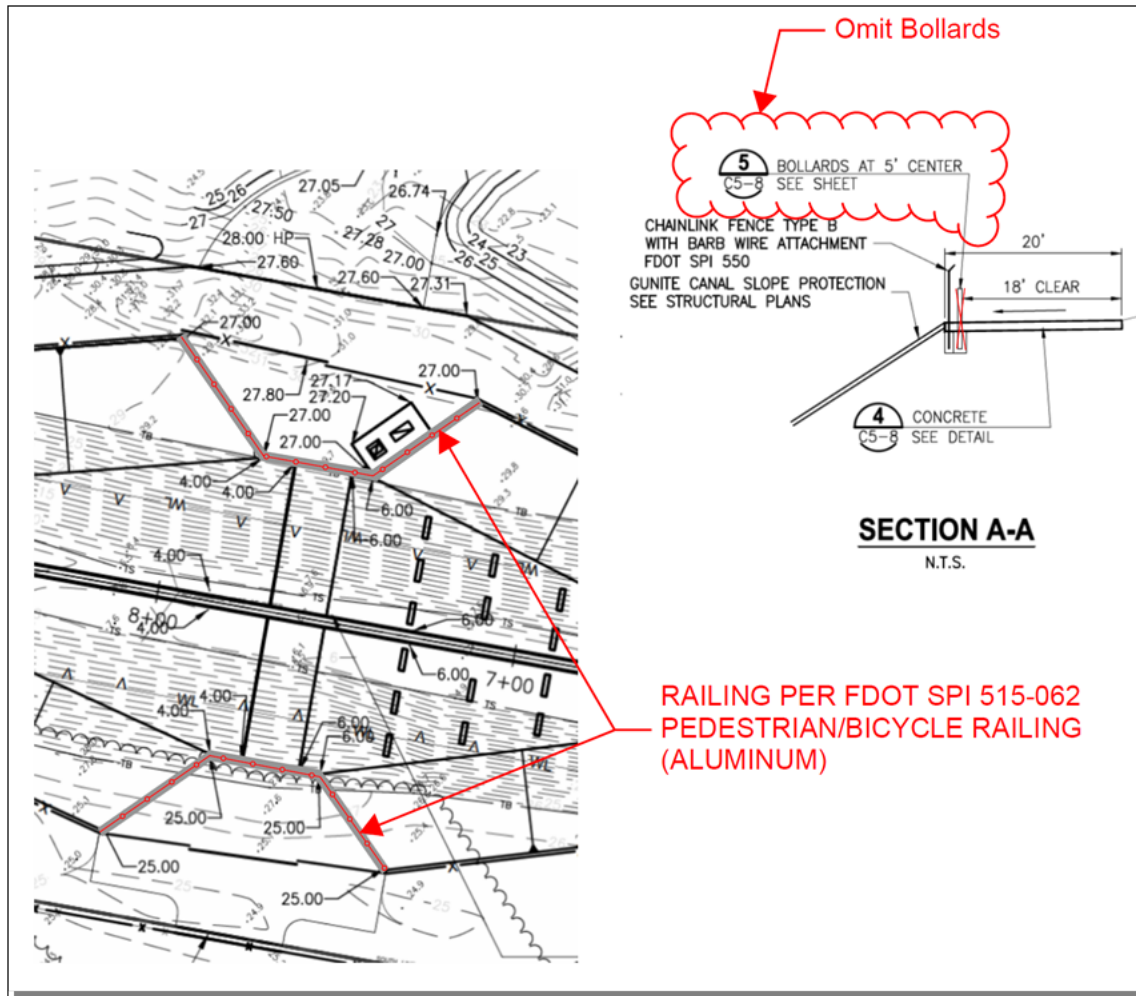
525 Community College Parkway S.E. • Palm Bay, FL 32909 • 321-984-4940
On the internet at www.sjrwmd.com.

DATE: September 17, 2020
TO: Prospective Respondents
FROM: Amy Lucey, Contracts Administrator
SUBJECT: Addendum #3 to Invitation for Bids # 35868, Crane Creek M-1 Canal Restoration

As a result of inquiries, the following clarifications/changes are provided for your information. Please make all appropriate changes to your bid documents. Note: changes are reflected with original language shown with strike-through and new language is underlined.

- Q1: Please confirm that the pulling handholes shown on sheet E5-1 are the same that are shown on sheet E4-1 detail (6).
A1: **Confirmed. Pull boxes are as shown on Sheet E4-5, Detail 6**
- Q2: Please provide the location of Weir Mechanical Valve Panel shown on sheet E5-2.
A2: **Per Sheet C5-2, the weir control panel is located on the weir control pad. Final arrangement will be determined in conjunction with the manufacturer and Owner during shop drawing review.**
- Q3: Please provide location of Weir Gate Position Transducers shown on sheet E5-2
A3: **The weir gate position transducer locations are determined by the vendor.**
- Q4: Please provide locations of air compressors 1 and 2 shown on sheet E5-2
A4: **Per Sheet C5-2, the air compressors are located on the weir control pad. Final arrangement will be determined in conjunction with the manufacturer and Owner during shop drawing review.**
- Q5: Does the conduit under the Weir slab need to be concrete encased?
A5: **Yes. Refer to typical details on drawing E4-5. Under paved areas, including the weir slab, the embedded conduit is to be concrete encased.**
- Q6: Will the power company be providing the electrical service conduits and conductors for the pump station?
A6: **For the Pump Station, in accordance with E4-1 and E4-2, the electrical service conduits and conductors are to be supplied by FPL to the Contractor-supplied pump station main disconnect adjacent to the Pump Control Panel.**
- Q7: On Sheet C5-2 there is new planter to be installed. We are to match existing on Sheet D5-1. There is no detail on D5-1. Please provide details or manufacturer information on what planter we are to provide.

- A7. For the purpose of bidding, assume the planter perimeter will be formed by FDOT Type D curb. The planter dimensions will be 20-foot long by 4-foot wide. Install landscape fabric and topsoil, ready for plantings to be provided by others.**
- Q8. Detail C/S5-3 shows Nelson studs. This detail is not referenced in any plan views or other details. Does this detail apply to the project?
- A8. Yes.**
- Q9. Is the Contractor responsible for the electrical service drop installation for the weir and pump station? Or is the Owner bringing power to our control panels?
- A9. As shown on E5-1, at the weir the Contractor is responsible for providing and installing a handhole at the base of the FPL pole, and for electrical conduit and wiring to the weir site. For the Pump Station, in accordance with E4-1 and E4-2, the electrical service conduits and conductors are to be supplied by FPL to the Contractor-supplied pump station main disconnect adjacent to the Pump Control Panel.**
- Q10. Permanent bollards details are shown on sheets C5-3 and C5-8. Section A-A on Sheet C5-3 indicates the bollards are to be installed at 5' o.c. along the top slope of the weir behind the fencing. The detail on C5-8 directs us to install "as shown on the drawings or as directed in the field". There are no specific bollards shown along the top of the weir beyond the note to install at 5' o.c. Please clarify what, if any, bollards are required.
- A10. Please delete the requirement for bollards from Section A-A. Add FDOT safety railing at the locations shown on the sketch below.**



- Q11. On Sheet C1-1 there is a note to stabilize existing slope to 4:1 max (Typ of 4). There are no cross section details provided. Does this note include the area to the west which references details A/C1-3 and D/C1-4? These details are for a level surface, not slopes. Are we to use riprap armoring or another method? If riprap is to be used, what is thickness? Is bedding stone required? Are there thickened portions at the toe and top of slopes?
- A11. **The existing borrow area shown on Sheet C-1 was excavated and the side slopes were left bare. The banks have erosion rills and sloughing that is not apparent on the survey. The note to stabilize the existing slope to 4:1 max is for the contractor to smooth-out the rills and fill as needed to create a slope with a 4:1 max slope. The final stabilization is a permanent vegetative cover of sod on the exposed slopes and 2 feet below the water line.**
- Q12. Does the proposed roadway/turnaround for the Stormwater Treatment Area need to be stabilized? Are we to use Detail 7/C4-6?
- A12. **Yes, the proposed road is to be stabilized using Detail 7, Sheet C4-6.**
- Q13. The plant list provided per A5 of Addendum #2 does not match the planting plan provided per Sheet W1-1. Please provide a revised planting plan.
- A13. **See Below for clarification.**
- W-1 polygon labeled "Eleo Cyperus" is 50% Spikerush (*Eleocharis cellulose*) and 50% Sedge (*Cyperus odoratus*).

- W-1 polygon labeled “Juncus” is 100% Soft rush (*Juncus effusus*).
- W-1 polygon labeled “Thalia” is 100% Fireflag (*Thalia geniculata*).
- W-1 polygon labeled “Sag Pont Schoeno” is 33% Duck Potato (*Sagittaria lancifolia*), 33% Pickerelweed (*Pontedaria cordata*), and 33% Bullrush (*Schoenoplectus californicus*).

CommonName	Acreage	Species	Type	Quantity
Spikerush	2.8	<i>Eleocharis cellulosa</i>	Bare root	9,885
Fireflag	6.3	<i>Thalia geniculata</i>	Bare root	22,402
Pickerelweed	2.0	<i>Pontedaria cordata</i>	Bare root	7,230
Duck Potato	2.0	<i>Sagittaria lancifolia</i>	Bare root	7,230
Sedge	2.8	<i>Cyperus odoratus</i>	Bare root	9,885
Soft rush	2.6	<i>Juncus effusus</i>	Bare root	9,317
Bullrush	2.0	<i>Schoenoplectus californicus</i>	Bare root	7,230
20.5				73,181

Q14. The response to Q10 of Addendum #2 is confusing. Detail 6/S5-2 appears to only cut through a wall at the weir sill area. There are no detail sections on either side of the weir sill. Outside of the weir sill area, revised S5-1 shows only sheet piling along the center of the weir structure. There are no longer lines drawn that make it appear a concrete wall is required on either side of the weir sill. Are we correct in our understanding that the sheet piling from STA 6+75 to STA 8+50, excluding the 16’ section at the weir sill, is to be exposed and not encased in concrete? If this is an incorrect understanding please provide typical sections for this wall.

A14. Correct – the sheet piling from STA 6+75 to 8+50, excluding the 16-foot weir sill, is exposed and not encased in concrete. Also, there is no pile cap along this exposed sheet pile.

Q15. There is a discrepancy with the quantity of bolt-on bollards shown on details 1/C4-4 and A/S4-2. Which detail prevails?

A15. The civil drawing C4-4 governs the quantity of bolt on bollards.

Q16. Sheet C1-5 details that the 24” piping terminating at the precast structures is to be ductile iron after the tee. We are directed to C3-1 for continuation of the piping. Sheet C3-1 does not provide much information from the tee to where we connect to the 24” HDPE directional drill. Is the piping material ductile iron or PVC? What kind and how many fittings are required between the tee and where we connect to the adapter? Sheet C4-1 provides clear information for how we connect at the other end of the directional drill and run to the pump station. Similar information would be helpful at this terminus. Will a revised sheet be provided with additional information?

A16. The design is based on the direction drill be terminated such that a straight run of restrained ductile iron pipe will connect the 11.25 degree ductile iron bend (attached to the 24” HDPE MJ Adapter) to the ductile iron tee. Any incidental ductile iron fittings required by the Contractor to correct the alignment for the connection shall be fully restrained.

Q17. Section 11280 Pneumatic Control Gate, Items 1.08.A and 2.01.A indicate an alternate system to equipment supplied by Obermeyer Hydro could be installed. We are unable to find a similar system by any other manufacturer that is available in the United States. Please advise if there is an alternate system, as it appears that this component is Sole Sourced.

- A17. The basis of design is Obermeyer Hydro or approved equal. If the Contractor identifies a vendor to provide an equivalent system, the District will review the proposed systems during construction.**
- Q18. The pneumatic control gate manufacturer, Obermeyer Hydro, has yet to provide any information that we requested. We have been unable to speak with engineers or sales personnel. Without sufficient information, it is unreasonable to expect the contractor responsibly bid the installation requirements, solely from the specifications furnished. Please advise.
- A18. We contacted Obermeyer Hydro regarding this bid question. They responded that they gather questions and send along responses with their scope letter and price approximately 7-days prior to bid opening. That way all contractors are treated equally. They anticipate responding by September 16, 2020.**
- Q19. In Addendum #2, A37 indicates the Abutment Plates are stainless steel. This conflicts with specification 11280-2.01.K which indicates the Abutment Plates are UHMW polyethylene. Please confirm which materials shall be used. Also, please confirm if these plates are furnished by Obermeyer Hydro. If not, please provide additional information regarding dimensions, thickness, attachment, etc.
- A19. The abutment plates are confirmed to be stainless steel, and will be provided by the vendor.**
- Q20. There is a currently an industry wide supply issue with the resin used in HDPE and PVC pipe. Pricing has been rising at over 3% per month for the last four months. Will the District consider assigning a pricing index to these pipe materials on this project? This would help both the Contractor and the District by allowing a shared risk of cost increases, as well as a shared opportunity of cost decreases when the market returns to normal.
- A20. Please bid the project based on your projection of price increase/decrease. A pricing index is not available for this bid item**
- Q21. Special Provisions 01355.1.01.D calls for a portable dam system manufactured by Portadam, Inc. Specification 11280.2.08.A calls for a portable inflatable cofferdam system manufactured by Aqua-Barrier and EZ Roller. Please confirm that only one of the two systems is required.
- A21. Section 01355 is incorrect with respect to Portadam. Specification 11280 governs with respect to the size, quantity and type of portable dam system (i.e. contractor to provide Aqua-Barrier and EZ Roller).**
- Q22. Special Provisions 01355.1.14.B states, “Any claims for extras based on substrata, groundwater table, and other such conditions will not be allowed.” The title of article 1.14 is, “Construction Conditions and Subsurface Investigation”. Is the District’s intent that the Contractor is responsible for unforeseen conditions that could not be reasonably ascertained from the Contract Documents or a site visit? Is the District’s position that bidding Contractors should perform their own subsurface investigation prior to bid?
- A22. Unforeseen conditions will be evaluated and negotiated as a change order if necessary during construction. It is not the District’s intent for bidding contractors to perform their own subsurface investigations prior to bid.**
- Q23. Specification 02300.3.04.A.1 indicates, “If excavated materials intended for fill and backfill include unsuitable soil materials, replace with suitable soil materials.” Since finding unsuitable soil is a condition that cannot be reasonably determined by a bidding contractor, typically, Owners will provide an allowance item or pay for unsuitable soil replacement as a change

- order. Is the District's intent for the Contractor to take the risk of finding unsuitable materials and to replace unsuitable soil at no cost?
- A23. Unforeseen conditions involving unsuitable materials will be evaluated and negotiated as a change order if necessary during construction.**
- Q24. Specification 02260.1.02.A.3 indicates that the Contractor shall submit signed and sealed design calculations for steel sheet pile that is shown on the Drawings. Has the design not already been completed by the Engineer of Record?
- A24. The structural drawings show minimum criteria. These are to be confirmed by the piling manufacturer including signed and sealed calculations.**
- Q25. Specification 02260.3.02.E.1 seems to be similar to a typical foundation pile program, and not necessarily sheet pile. Is a pile installation record really required for each sheet? What is the design load to establish the driving criteria? The only information provided on the plans is minimum tip. Can the sheet pile be vibrated?
- A25. A pile installation record is not required for each sheet. The tip elevation is the only driving criteria. Yes, the sheet pile can be vibrated.**
- Q26. Excluding of the portion of the centerline sheet piling at the weir sill which is governed by detail 6/S5-2, what is the minimum tip elevation of this sheet piling wall? Is it all to be 25' below the bottom of concrete per Note 5 on S5-1?
- A26. Correct, the centerline sheet piling is all to be installed to 25.0 feet below the bottom of concrete.**
- Q27. Addendum #2 revised sheets S5-1 and S5-2. A new sheet pile wall is shown at the stepped retaining walls. Details 4 and 5 on S5-2 indicate sheet piling at the foundations. These sections, as drawn on S5-1, are not where sheet piling is shown to be installed. Please provide clarification for what is to be constructed.
- A27. The revised portions of sections 4 and 5 on S5-2/Rev A (i.e. thickened edge and sheet pile cut-off wall addition) only apply to where sheet piling is shown and clouded on Rev A to plan drawing S5-1, which is west (upstream) of the weir.**
- Q28. IFB 35868 5. PREPARATION AND ORGANIZATION OF BID DOCUMENTS states bids must be submitted in "digital" format (single CD or pin/thumb/jump drive). Will the district make bid submission available through Demand Star?
- A28. No, the District is not accepting e-bidding at this time.**
- Q29: Contractor requests clarification regarding the demolition of the fence at the Weir, sheet C5-1 states "Temporary removal of fence (30') replace after construction of Weir" while sheet C5-2 states "24' Slide Gate". Is contractor replacing the 30' fence or installing the 24' gate and remaining 6' of fence?
- A29: Drawing C5-2 governs. In the location of temporary fence removal shown on C5-1, install a 24-foot sliding gate the remaining 6-feet shall be fence.**
- Q30: Contractor has not received communication back from the specified Pneumatic Control Gate Supplier. Does the designer have a direct contact to the supplier they can provide?
- A30: The Obermeyer Hydro point of contact is Rob Eckman, 970-568-9844.**

- Q31: Reference Specification 09900 Painting and Coating:
Section 1.01 Scope of Work lists submerged metal, exposed metal, buried metal, submerged concrete, exposed concrete, concrete floors, etc.
Section 3.11 Surfaces NOT To Be Coated one of the surfaces stated not to be painted are concrete walkways.
Section 3.13 Surfaces To Be Coated lists piping, ductile iron, valves, aluminum surfaces in contact with concrete, and this section also states: exact coating to be applied in any location is not designated by the descriptive phrases in the coating system titles such as “corrosive environment,” “buried metal,” or “submerged metal.”
- A. Are coatings to be applied to:
- Submerged concrete: weir wing walls, walls, footings, sloped and flat slabs; and Pump Station Pier cap, Elevation 9 slabs, footings and concrete retaining walls, other?
 - Exposed concrete: Pump station slab at Elevation 21 and slabs at wet well location, other?
 - PVC, CPVC Pipe (System No. 21) for 24” HDPE and PVC pipe force main and STS PVC 15” pipe?
 - Nonferrous, Galvanized and Other Miscellaneous Metals Coating Systems: bollards cast in concrete at weir and pump station, removable bollards at weir, stop log W5x16 at pump station, others?

A31: ANSWER: See response to B below.

- B. Can District provide an all-inclusive list of what is to be coated and which paint coating system to utilize per 2.01 Paint Coating System Index table?

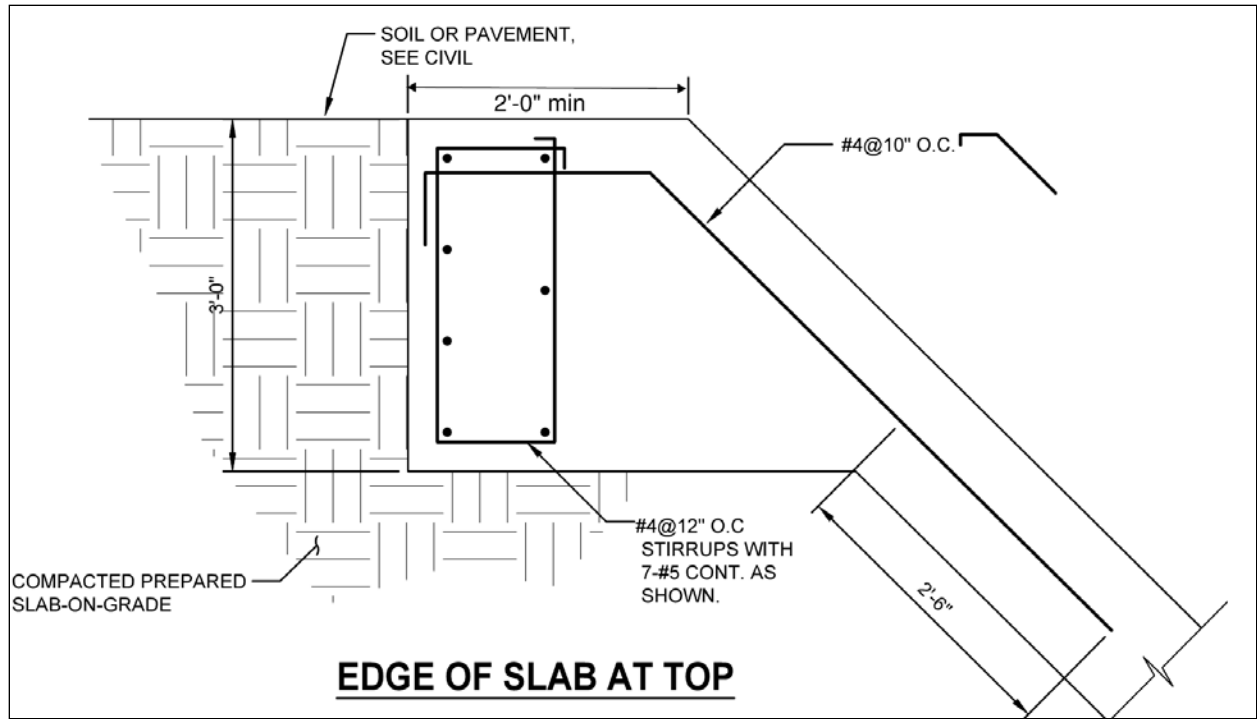
ANSWER: The coatings and finishes for various project elements are called out on the plans and in the technical specification sections for those elements. In general, concrete surfaces are not coated. HDPE piping is not coated. Exposed piping systems are to be coated as called out on the mechanical drawings. Other metal is called out as stainless steel, galvanized, or is factory painted. Sheet piling shall be coated as outlined in Addendum 2.

- C. Confirm if utilization of abrasive blast cleaning on all metal surfaces (section 3.03) is necessary and Preparation of concrete (section 3.04) for all concrete surfaces to be coated (including no utilization of curing compound and not applying coating until concrete has cure at least 28 days at 75 degrees Fahrenheit).

ANSWER: For items called out in the plans and specifications to be coated, follow Section 09900 for surface preparation requirements.

- Q32: Detail A/S5-3 for the edge of slab at top has no dimensions for the concrete. How deep is it at the top? How far does the bottom extend until it intersects with the bottom of the sloped slab?

A32: Below is a revised Edge of Slab detail.



Q33: Detail A/S5-3 indicates some type of stone in the canal bottom. Nothing is referenced in the civil plans. Is stone required in the Canal bottom? Please provide clarification.

A33: There is no indication of stone in the canal bottom on this detail.

Q34: Does the concrete curb (El. 12.50) at the intake structure require rebar? Can a detail be provided for how this curb will interface with the SOG and pile cap?

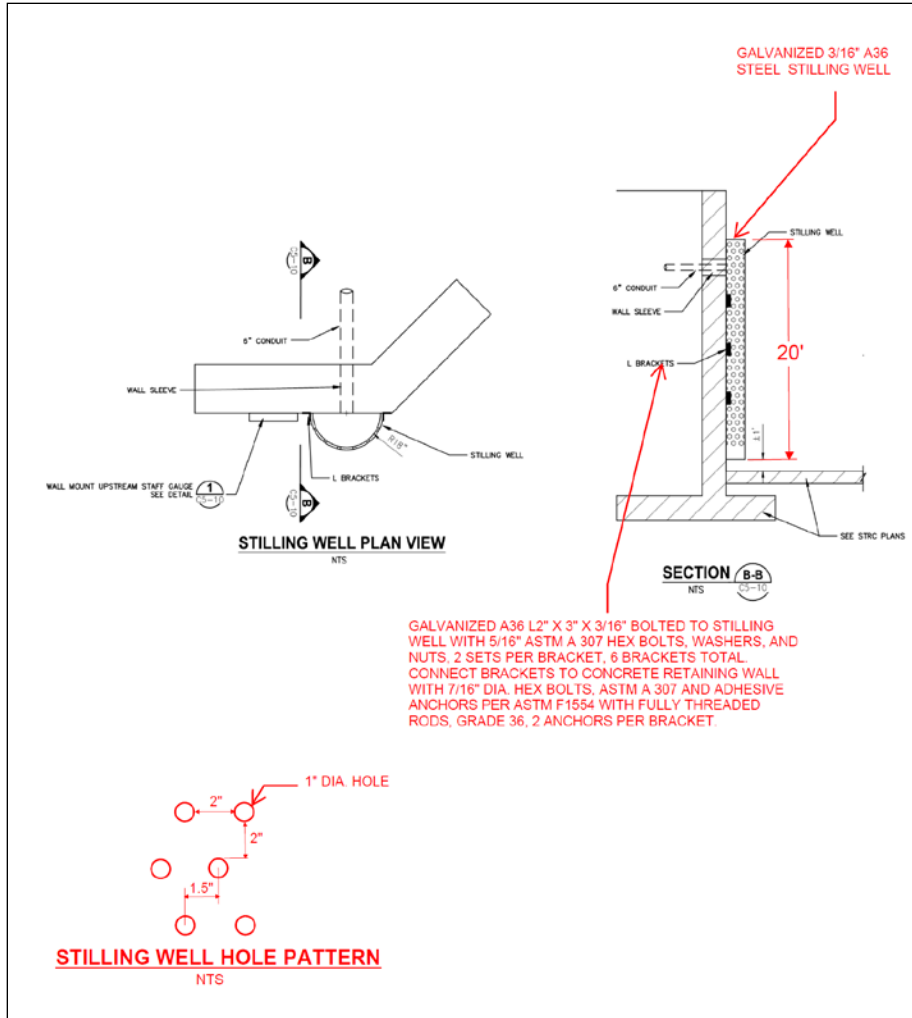
A34: The curb on C4-4, Section C-C at El 12.5 should be deleted from the intake structure.

Q35: The skimmer detail (1/C4-5) shows only single rows of holes. The hole pattern detail has double rows of holes. The bottom hole pattern is 15" from the bottom of the slab. Which row of holes is this dimension pointing to? No dimension is provided for the top hole pattern. Please provide this information, as well.

A35: In Section 1 on C4-5, only the top and bottom row of holes are shown for clarity. The actual hole pattern filling in the space between the top and bottom rows shall be per the hole pattern detail provided to the right of detail 1 on C4-5. The top row of holes shall be 15" from the top of the skimmer.

Q36: What material are the stilling wells to be fabricated from? Stainless steel or galvanized? What diameter is the stilling well? What is its length? What thickness is required for the material? What size are the holes and what is their pattern?

A36: Below is a revised detail for the stilling well.



Q37: Please provide a detail for the Intake structure where the stairs land at elevation 11.50 and the construction of the pile cap. Will a thickened edge detail be required? What rebar is required?

A37: **Sections 2 and 4 on S4-2 govern this condition.**

Q38: At the intake structure, please provide a detail for how we connect the lower slab on grade (elev. 9.00) and the stair landing (elev. 11.50). A wall is reference there but no information on what is to be constructed.

A38: **Sections 2 and 4 on S4-2 govern this condition.**

Q39: We have four projects that span 4 different construction sites. Does one project carry precedence over the other 3? The reason I ask this question is the Weir project requires a substantial amount of fill dirt to be excavated and hauled away. The STA, however requires a substantial amount of fill to be imported. If the Weir is done last, then I can't use the fill dirt for the STA.

A39: **All four sites are needed for the project to function, so no order of precedence is required. Please be advised however that the herbicide treatment in the STA should commence immediately since a growing season is required.**

Attachments:
Revised Pre-bid Attendee List

NOTE: The Bid Opening **remains** 2:00 p.m., **Thursday, September 24, 2020**

Please acknowledge receipt of this Addendum on the **BID FORM** provided in the bid package.

If you have any questions, please e-mail me at alucey@sjrwm.com.