



## ADDENDUM NUMBER TWO – DECEMBER 7, 2020

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Metropolitan Park District of the Toledo Area  
6101 Fallen Timbers Lane  
Maumee OH 43537

**PROJECT:**       **Metroparks Toledo – Howard Marsh Phase 2, 611 S. Howard Road, Curtice, OH 43412**

**BID DUE DATE:** **UNCHANGED** – FRIDAY, DECEMBER 11, 2020, 2 PM LOCAL TIME

Metroparks of the Toledo Area would like to issue Addendum #2 related to the above indicated project.

The following items to be changed in the bid documents shall hereinafter become part thereof and shall supersede all other specifications wherein there may be a conflict. The contractor shall perform all work in connection with said items or change as required to integrate the change with all related work under this project bid specification in a manner as to maintain the project schedule of and the continuity of quality work.

### **GENERAL:**

#### **Item No. 1: CLARIFICATION**

Question: *The site geo tech report indicates there is approximately 12" of topsoil on site that will need removed prior to mass grading operations. However, the site preparation specification and drawings call for only 6" of topsoil removal and replacement. Should the bidder assume 12" will need to be removed as stated in the report and will the bid quantities be updated accordingly?*

Response: Please see note boxed out on sheet 401: "TOPSOIL DEPTHS ENCOUNTERED DURING GEOTECHNICAL FIELDWORK VARIED BETWEEN 0"-12". DURING CONSTRUCTION IN AREAS MARKED FOR TOPSOIL REMOVAL, ALL TOPSOIL MUST BE REMOVED REGARDLESS OF DEPTH. AN AVERAGE OF 6" OF TOPSOIL WAS USED FOR BID QUANTITIES."

#### **Item No. 2: CLARIFICATION**

Question: *The proposal page show both a bid breakdown and a lump sum price base bid – will this contract be LS or will the bid be paid unit price for the breakdown?*

Response: Construction contract will be paid out lump sum - we don't have unit prices.

#### **Item No. 3: CLARIFICATION**

Question: *The drawings/specifications do not indicate whether the slide gates are to be manual or electric driven. Please provide necessary spec. sheets, details, etc. on slide gates.*

Response: Manual with a drill adapter, stainless stems, tube covering for stem above gear. Seating/unseating heads are called out on plan sheets.

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**Item No. 4: CLARIFICATION**

Question: *The latest addendum called for 6" of ODOT #304 for the contractor staging area. Is this material to remain in place at the end of the project, or is it to be removed?*

Response: This material is to be kept in place post construction.

**Item No. 5: CLARIFICATION**

Question: *Addendum #1 stated that all disturbed areas that do not call for rock are to be seeded. The details in the drawings do not call for topsoil on the canoe paths. Please indicate if potholes and canoe paths are to receive seeding.*

Response: All site prep areas that do not receive rock will be seeded. Plan quantity should cover everything.

**Item No. 6: CLARIFICATION**

Question: *No alternate bid item for 5' depth core trench but shows on page 401 alternate core trench details. How shall this be priced? Please clarify.*

Response: Each of the three proposed sections and their alternates – A-A, B-B, and C-C are acceptable standards per dam safety. The contractor may elect to use either the proposed or the proposed-alternate section based upon contractor preference.

Lump Sum Base Bid may utilize the proposed or the proposed-alternate section A-A, B-B, and C-C based upon contractor preference. In the past, contractors have found it advantageous to go with the 5 ft. core trench in lieu of a separate, stand-alone tile search operation.

**Item No. 7: CLARIFICATION**

Question: *Who is responsible for quality control and quality assurance testing?*

Response: The Owner.

**Item No. 8: CLARIFICATION**

Question: *Is there any requirements for an Owner's field office?*

Response: No.

**Item No. 9: CLARIFICATION**

Question: *Is Filter Fabric to be placed underneath the proposed dyke sections? The cross sections show Filter Fabric underneath the proposed rip rap but it appears to continue underneath the dyke embankment sections. Please clarify where Filter Fabric is to be placed.*

Response: Fabric placed under rock only.

**Item No. 10: CLARIFICATION**

Question: *Has the geotechnical engineer recommended that on site material will satisfy the dam material requirements?*

Response: Yes, with proper handling, water control, etc. as described in the report.

**Item No. 11: CLARIFICATION**

Question: *Is the contractor to assume no off-site borrow will be required?*

Response: Yes.

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**Item No. 12: CLARIFICATION**

Question: *Has the Ohio Dam permit been issued? If not, when is the anticipated issuance date?*

Response: No, the permit has not been issued. It is anticipated by February 1<sup>st</sup>.

**Item No. 13: CLARIFICATION**

Question: *Sheet 207 shows a RCB end section for the 3x5 Box Culvert, will a detail be provided for this structure?*

Response: No, standard end section.

**Item No. 14: CLARIFICATION**

Question: *The soil boring location numbers shown in the Mannik & Smith report do not match the soil boring numbers labeled on the plan set. For example; the boring labeled as SB-01 located in the Northeast corner of the site in the Mannik & Smith report is labeled as SB#4 on the plan set. Does this boring location correspond to Boring Number SB01 or SB-04? Please clarify the boring locations.*

Response: Use Mannik & Smith map for Mannik & Smith information.

**Item No. 15: CLARIFICATION**

Question: *Is there any additional fence required for the project beside the fence and gate shown on sheet 207?*

Response: No.

**Item No. 16: CLARIFICATION**

Question: *On plan sheet 401 there are three “Alternate” cross sections, A-A Alternate, B-B Alternate, and C-C Alternate. Please clarify which detail is to be used in the base bid lump sum price for the project. Additionally, please clarify where on the bid form the alternates are to be listed if they are to be included.*

Response: Please refer to Item #6 above.

**Item No. 17: CLARIFICATION**

Question: *It looks like the vertical turbine pumps are rated 6000 gallons per minute at what total dynamic head each pump?*

Response: Use 8.5' of static head (water surface in the receiving area minus water surface in pump chamber). Dynamic head will depend on what flap gate general contractor provides and losses within the pump which varies pump to pump.

**Item No. 18: CLARIFICATION**

Question: *Verify the overall length of the pumps?*

Response: Pump needs to be able to serve a water elevation in the pump chamber of 567.5'. Submergence and offset from pump intake/pump strainer varies pump to pump. Design based on 3' submergence, 1.5' offset from floor.

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**Item No. 19: CLARIFICATION**

Question: Please verify the incoming voltage. I'm seeing maybe 230v 1ph? If so we'll probably need to convert to 3 phase in the control panel with VFD. Please advise.

Response: Anticipating 230v single phase, but ticket with Edison is still pending. Variable Frequency Drive will be required.

**Item No. 20: CLARIFICATION**

Question: There are a lot of variables, could you please provide more clear guidance on what the plan to balance the site is?

Response: Grading based on 35% shrinkage based on estimate of 30 – 40% provided by geotechnical engineer. Width variation in borrow to provide balance is 75' to 100' as shown on sheet 401. We're not expanding the berms.

**Item No. 21: CLARIFICATION**

Question: Will you allow us our own site investigation prior to entering a contract, or should we assume worst case scenario with our pricing?

Response: Site investigation prior to bid opening is allowed by coordinating with the Owner. Any site investigation post-bid will be with the awarded construction contractor.

**Item No. 22: CLARIFICATION**

Question: Would you allow us to dig some additional test pits?

Response: Yes. Coordinate with the owner, make immediate repairs and leave no trace.

**Item No. 23: CLARIFICATION**

Question: The enlarged dike plans on pages 202-205 show hatching for a proposed crushed stone paving and crushed stone walking path, the typical sections call out for these areas to be replaced with topsoil. Which is correct?

Response: Use stone details as appropriate from plan view. Adjacent the crushed stone paving and side slopes are called out for topsoil.

**Item No. 24: CLARIFICATION**

Question: Can you confirm how the pump is to be lubricated? My guess is that it is product lubricated; however, the spec does make mention of a seal flush. Is it to be lubricated by an external clean water source? Is it to be equipped with a mechanical seal? If product lubricated, we'd typically provide a packing box unless a mechanical seal is clearly called out.

Response: Product lubricated to the water level limits, then you'll have to go with your normal means.

**Item No. 25: CLARIFICATION**

Question: The spec calls out for the motor to be inverter duty. Is it to be VFD driven?

Response: VFD is required.



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### **Item No. 26: CLARIFICATION**

Question: *The plan drawing lists the pump driver as single phase. What is the voltage?*

Response: We have requested 230v from Edison.

### **Item No. 27: CLARIFICATION**

Question: *The spec calls out for the motor to operate in an all-weather environment. Shall I quote a WP-I enclosure?*

Response: We're unfamiliar with a WP-I enclosure. Basically, we have a motor sitting on top of a pump exposed to the elements year-round that would need to be able to operate year-round. Most of the operating windows are spring-fall, but high levels of precipitation could require a limited pumping out of the unit in the winter.

### **Item No. 28: CLARIFICATION**

Question: *DWG 402 lists the motor as single phase. Again - please confirm that is correct? Does the site plan on utilizing a custom built single phase motor here?*

Response: We plan for 230v and VFD to be sufficient to run a standard motor.

### **Item No. 29: CLARIFICATION**

Question: *Do you know if the discharge is to be plain-end or flanged?*

Response: Discharge will likely depend on type of backflow gate being proposed by prime contractor. Sheet 403 Pump Discharge Flap-gate Detail A-A provides info.

### **Attachments:**

- N/A

Jon Zvanovec  
Project Manager  
The Metropolitan Park District of the Toledo Area

END OF ADDENDUM NUMBER TWO, DECEMBER 7, 2020

NOTE: Bidders must acknowledge receipt of this Addendum on the proposal form.

