Addendum 1

Hill Ditch Stream Restoration and Dam Removal Project, Toledo Botanical Garden, Toledo Ohio

8-24-2012

Questions submitted by Ryan K. Odendahl, KWEST Group, 8-21-2012

1. Please clarify if bid units for items STS and PTS are square yards or cubic yards.

   ANSWER: The bid unit is in square yards. The 2600 SY at 6” deep would produce 433 CY

2. Please clarify if Contractor will be compensated for in-place quantities for each respective bid item. As an example, we feel that the quantities for bid items EX and EB could increase substantially as our volumetric analysis suggests that no allowance has been made for the removal and replacement of sediment below the proposed embankment which will isolate the pond from Hill Ditch. The specifications require that subgrade to receive embankment to be “compacted to 95% maximum dry density as determined by ASTM D1557 and at a moisture content within +/- 2% of optimum moisture content” per note 10 of the General Notes – Earthwork on page C1 of the project plans. We do not feel that the existing sediment will meet this requirement.

   ANSWER: Sheet C5.1 further clarifies the berm work to be performed. The page is available on http://www.tmacog.org/TGB_Project.htm titled; TBG C5-1 8-24-2012.pdf

   The contractor should over excavate up to but not more than 4 feet below the bottom of the pond under the embankment location in order to find suitable subsoils that will be able to accept the new berm materials.

   Your bid should be based on a maximum of 4’ of excavation below existing pond substrates, or to suitable substrate to construct the berm. Any amount less than this, as verified and approved by a third party consultant, will be deducted from the payment to the contractor, based on a unit cost for excavation.

   We also understand that should there be an area where unsuitable material is found at a depth of more than 4 feet, other measures can be taken, such as using stone or rubblized concrete, or geotextile fabric, to help support the weight of the soil/berm, and that contractor’s should provide a unit cost for such material as well.

3. On sheet C4 of the project plans, detail CB and CF show stones which measure “nominally 3’W x 2’H x 3’L. Locally available limestone will be more rounded/semi-round
in shape. Rectangular sandstone is available at a moderate distance, but will not meet the ODOT requirements listed on sheet C6 of the specifications. Limestone can be specially processed to reflect a more angular shape, but the cost is significantly higher. Please confirm this size and shape requirement. Also, sheet C6 discusses that a site visit to a local supplier may be waived if the supplier is currently approved by Lucas County. Are there desired suppliers for the rock materials?

ANSWER: Limestone/dolostone can be obtained locally with rough dimensions as specified. This requires coordination with the quarry to set aside some of the larger stone from a blast. A conversation was had with Shelly/Stoneco/Cardinal on SR 20 regarding the production of similar stone to confirm that this stone can be produced.

4. At the site visit it was mentioned that a local firm would be loading and hauling the removed sediment at no charge to the Contractor. Please confirm this.

Answer: Dennis Topsoil and Landscaping Inc. will perform the hauling of the dredge material at no cost to the project. The value of their services will be provided as in-kind match to help with project costs. Any contractor awarded with the project is strongly encouraged to coordinate with Robert Dennis 419-865-5656 in an effort to reduce the handling/storage of removed material.

5. Please provide the desired size for the seating stones.

ANSWER: Seating stones would be selected from materials specified as in plan page C4. Seating stones would be selected from deliveries to find the “best” suited stones for a seating arrangement i.e. smooth surface.

6. Please clarify the project completion date of December 14, 2012. We feel that given the fact that the existing sediment will need a period to drain to allow efficient and clean excavation, grading and transport, the schedule may be a bit aggressive. Also, the live stake detail note on sheet C8 states that live cuttings should be installed “during plant dormancy (early December to early/mid April)”.

ANSWER: December 14 is the date of substantial completion. We understand that weather events may alter the scheduling and performance of some and an extension in completion date may be granted after review of a written request. Live Stakes – The plan does in fact state that the stakes should be installed during dormancy, however the reality is that the stakes should be installed during construction. Construction time will ultimately dictate the installation time of the live stakes.

7. Will the Contractor be responsible for the required weekly and post-rain event soil erosion control inspections and all related documentation?

ANSWER: Yes. TBG has applied for the permits, however once under contract, the contractor is expected to become co-permitee. The contractor will be responsible for the required inspections. TBG or its representative will periodically spot check records and inspections.
8. Are the payment of prevailing wages required for work conducted on this project?

ANSWER: Prevailing wages are not required for this project

Questions submitted by Ryan K. Odendahl, KWEST Group, 8-22-2012

1. Does any geotechnical information exist for the existing sediments? Does the possibility exist to re-use the excavated materials for embankment? This would reduce both the cost of the project as well as the impact to the site by reducing the loads hauled in and out.

ANSWER: Documents regarding sediment have been posted on the TMACOG, Hill Ditch page, http://www.tmacog.org/TGB_Project.htm. The documents; MSG Sediment Geotech Report.pdf and MSG Sediment Quality Report.pdf provide all geotechnical information available. The sediment analysis shows that the material is likely to be unsuitable for berm or bank construction, however there may be some limited reuse on site.

2. Will the Contractor bear any responsibility for any environmental contamination found in the sediments? How will this issue be handled if it should arise?

ANSWER: It is not anticipated that any unknown environmental contaminants are present onsite, however if something is discovered, it is the sole responsibility of the property owner to remediate the situation.

3. It is assumed that all hauling will be through the Bancroft Entrance. Will the Contractor be granted use of a staging area for equipment/materials? Sheet C10 shows a soil and rock staging area that could be expanded for equipment and supply storage also.

ANSWER: The construction entrance is through the south of the property, the Bancroft entrance. An additional area for equipment storage can be provided near the TBG maintenance building.
The contractor should over excavate up to but not more than 4 feet below the bottom of the pond under the embankment location in order to find suitable subsoils that will be able to accept the new berm materials.

Your bid should be based on a maximum of 4’ of excavation below existing pond substrates, or to suitable substrate to construct the berm. Any amount less than this, as verified and approved by a third party consultant, will be deducted from the payment to the contractor, based on a unit cost for excavation.

We also understand that should there be an area where unsuitable material is found at a depth of more than 4 feet, other measures can be taken, such as using stone or rubblized concrete, or geotextile fabric, to help support the weight of the soil/berm, and that contractor’s should provide a unit cost for such material as well.

Additional new material:

Plan sheet TBG_C10.pdf was added per the City of Toledo Stormwater utility Requirements.