



DATE: October 5, 2018

TO: Holders of Construction Contract Bidding Documents

FROM: Schnabel Engineering, LLC
11-A Oak Branch Drive
Greensboro, NC 27407
(336) 274-9456

RE: Hearthstone Lake Dam Rehabilitation Project, Addendum No. 2

This Addendum forms a part of the Contract Documents and modifies the original Procurement Documents dated September 15, 2018, as noted below. Acknowledge receipt of this document in the space provided in the Bid Form. Failure to do so may subject the Bidder to disqualification. This Addendum consists of clarifications and changes plus three (3) attachments.

CLARIFICATIONS BASED ON QUESTIONS RECEIVED AFTER ISSUING ADDENDUM 1:

1. **Question:** Section 11-3, 8A.2. Can you confirm the existing slide gate is operable?

Response: The gate has been operated within the past two years without any issues.

2. **Question:** Plan C-02, Note 5. Would you provide the 1963 as-built drawings and NRCS geology report?

Response: The 1963 As-Built Drawings and the 1963 SCS Geology Report are included as Attachments 1 and 2 to this Addendum. These reports are not part of the Contract Documents and the Contractor is only entitled to rely upon the technical data in these reports.

3. **Question:** Refer to Toe Drain Profile, 1/C-9. Geotech report includes two (2) borings that indicate top of rock. Is there any other data available used to develop the top of rock profile?

Response: Top of rock was estimated based on data from the Schnabel 2017 Geotechnical Data Report and from information provided in the 1963 As-Built Drawings (Attachment 1).

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4. **Question:** Refer to Section 63-5, 10A.4 and Detail 4/C-11. Please confirm backfill of dental excavation will be drain fill and not concrete

Response: The intent is to backfill dental excavations with fine or coarse drainfill as directed by the Engineer. However, the Engineer may require the placement of backfill concrete if unforeseen conditions, such as large discontinuities or deeply weathered zones in the rock, are encountered during excavation.

5. **Question:** Section 23-8&9, 10.C.7. Can the test pad for processed earth fill be constructed in-place as part of the final work?

Response: Assuming the results of the test section meet the specification requirements as determined by the Engineer, the Processed Earthfill test section may be constructed as part of the final work provided that it is located downstream of the toe drain trench excavation. If the test section does not meet the specification requirements as determined by the Engineer, then the Contractor shall replace this portion of the work at no additional cost to the Owner.

6. **Question:** Section 23-7, B.2 requires max. 6" particle size for earth fill, with over-size segregated for crushing as processed earth fill. Geotech report, page 15 describes existing Section 3 shell soil as 30-50% cobbles and boulders. Is your intent for Contractor to screen all of the excavated soil?

Response: Yes, the Contractor shall screen the excavated Section 3 materials prior to use as Earthfill such that all particles larger than 6 inches are removed. The Contractor shall process the Section 3 oversize particles to meet the gradation requirements of Processed Earthfill. The means and methods for oversize particle screening and processing are the responsibility of the Contractor.

7. **Question:** The ZIP folder containing CAD files that was included under Addendum 1 included a surface named "SURF_TEMP_ACCESS_ROAD.dwg." This surface plots downstream of the embankment and crosses the stream. Is the Contractor required to build this road?

Response: No, disregard this CAD file as it is not part of the final design. Bid Item 39, Temporary Construction and Riser Access Roads, includes only the temporary access roads that are shown on the Drawings.

8. **Question:** Section 26-3, 7A.1, and Plan C-24 & C-25. Comparing bid quantity to takeoff of disturbed areas, it appears the bid quantity excludes topsoil for restoration of staging, stockpile, riser access road, sediment traps, temporary access roads, and etc. Will we be paid the unit price per square yard for topsoiling these areas?

Response: Yes

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9. **Question:** Please confirm the limits of Bid Item 37 – Tillman Road Improvements is only the length of existing road removed during the excavation.

Response: Bid Item 37 includes replacement of the portion of Tillman Road that is removed during excavation. The Contractor is responsible for repairing any damages to other portions of Tillman Road resulting from construction activities and restoring these areas to pre-construction conditions.

10. **Question:** Plan S-05, high stage trash rack. Please clarify the type of material required (e.g., expanded metal) and grate opening size.

Response: The high stage trash rack shall be galvanized steel grating with 2-1/4" x 3/16" bearing bars. See Note 2 on Drawing S-05 Detail 1 for additional information.

CHANGES TO PROCUREMENT REQUIREMENTS:

NONE

CHANGES TO DRAWINGS:

1. Drawing C-07: The scale bar was showing 1"=60', but the drawing scale was 1"=70'. The drawing scale has been revised to 1"=60'.
2. Drawing S-05: The grating size listed in the High Stage Trash Rack Materials schedule has been revised to add clarity.

CHANGES TO TECHNICAL SPECIFICATIONS:

NONE

ATTACHMENTS:

1. 1963 As-Built Drawings
2. 1963 SCS Geology Report
3. Revised Drawings C-07 and S-05

END OF ADDENDUM

CDS:JMP