Felix C. Davis – Grit Chamber Near-Term Improvements Project

To All Bidders:

Contractors submitting proposals for the above named project shall take note of the following changes, additions, deletions, clarifications, etc., in the Contract Documents, which shall become a part of and have precedence over anything contrarily shown or described in the Contract Documents, and as such shall be taken into consideration and be included in the Contractor’s Bid Proposal.

Refer to the attached sheets.

The return receipt requested with this communication will be deemed evidence that the bidder has received this Addendum and has followed the instructions outlined herein. Please sign, date, clearly print company name, and email to jhartwig@hazenandsawyer.com immediately upon receipt. Contractor shall also indicate receipt, where appropriate, on the Bid Form.

______________________________
Company Name

______________________________
Acknowledgement of Receipt

______________________________
Date

HAZEN AND SAWYER, P.C.
735 Johnnie Dodds Blvd.
Suite 102
Mt. Pleasant, SC 29464
Tel. (843) 744-6467

Jared Hartwig, P.E.
HAZEN AND SAWYER, P.C.
Modifications to Bid Documents

Specification 01 57 40.1 – Temporary Piping Systems

Replace the table in Section 1.04-C with the following:

<table>
<thead>
<tr>
<th>Location</th>
<th>Service</th>
<th>Firm Capacity Required (mgd)</th>
<th>Annual Average Flow (mgd)</th>
<th>Minimum Flow (mgd)</th>
<th>Variable flow or cycling pump controls</th>
</tr>
</thead>
<tbody>
<tr>
<td>From IPS Discharge Header to Grit Chamber Effluent Channel</td>
<td>RSP</td>
<td>56</td>
<td>32</td>
<td>4</td>
<td>Variable</td>
</tr>
</tbody>
</table>

Drawing C102 – Site Plan – Temporary Bypass

Add the following note:

1. Temporary Piping System discharge shall extend below the invert of the grit chamber effluent channels, or approximate invert 15.00.

Drawing M102 – Bottom Plan

2-inch PW connection to existing piping shall be provided with a 2-inch gate valve in accordance with Specification 40 05 61.

Drawing M103 – Top Plan

Add the following note:

1. Contractor shall paint all new piping in accordance with the requirements of Specification 09 90 00. Surface preparation and recoating of existing metallic piping into and out of the grit cyclone and classifier shall also be provided.

Questions

Question 1: Are there any geotechnical reports available for the referenced project.

Response: No. There are no geotechnical reports associated with this project.

Question 2: Specification Section 32 13 43.1 Pervious Concrete Pavement says its location will be as shown on the Drawings...would you please identify this pavement on the drawings.

Response: There is no pervious concrete pavement on this project. Section 32 13 43.1 can be removed from the contract documents.
Question 3: What are typical flows to be expected for bypass pumping? Are units in MGD or GPM?

Response: Bypass system flows are presented in Section 1.04 of Specification 01 57 40.1. Units have been updated within this addendum for modification from gallons per minute (gpm) to million gallons per day (mgd).

Question 4: What is the operating pressure of the pumps to know what test pressure should be for the bypass piping?

Response: Existing influent pumps have a duty point of 11,000 gpm at a duty point of 34.0 feet and a shutoff head of 56.0 feet. Pump curve is attached herein for additional reference.

Question 5: What extent will the 42” be dewatered for bypass installation?

Response: The 42-inch RPS piping can be dewatered to the invert of the piping shown on the drawings within the grit chamber once the bypass system is operational. Some residual wastewater may remain.

Question 6: Sheet C102 – Please confirm that there is only ONE 42” FLG Knife Gate Valve to replace in the Influent Pump Station?

Response: Confirmed. Only one 42-inch gate valve requires replacement. Valve shall be replaced and installed with existing actuator as indicated in the bid documents.

Question 7: Please confirm that the Owner is supplying the ONE 42-in FLG Knife Gate Valve?

Response: Confirmed. NCSD will provide one (1) 42-inch gate valve.

Question 8: Can the 42-in knife gate valve be isolated for removal and replacement to eliminate sewage spillage within the pump station?

Response: Existing 42-inch gate valve can be isolated once the grit chambers are bypassed to the invert of the piping shown on the drawings within the grit chamber. Some residual wastewater may remain.

Attachments

Attachment No. 1 – Influent Pump Curve
5730 M&W Submersible Angleflow Pumps
Performance

20" 5731S
W, WD
SUBMERSIBLE
585 RPM

NO. OF VANES
2

SUCTION SIZE
20"

IMPELLER
L20A1S

INLET AREA
281.71 SQ.IN.

MAX. SPHERE
7 7/8"