

May 13, 2019

To: Ridgeland WRF Expansion Plan Holders

From: Paul Lewis

Re: Addendum #5
Ridgeland WRF Expansion

The bid date is Thursday May 16 at 2:00pm.

Below are the items for this addendum. If you have submitted a question or comment and do not see it addressed here, please resubmit it to us.

Addendum Reference #	Reference	Question / comment
5.1	Section 46 33 42 Diaphragm Metering Pumps	1. Grundfos is an acceptable alternate for metering pumps. Contact: David Green, dgreen@daparak.com . 2. Modify 1.02.A. The caustic feed pump rate is 336 gpd.
5.2	Sheet S001.	Q. Concrete and ACI Clarifications: Reference Sheet S001. ACI 318 is referenced as code for design of ICEAS basin and presumably other water-retaining structures. Can you confirm this is correct as it is our experience that water retaining structures should be designed per ACI 350. A. Use ACI 318.
5.3	Wall Flashing	Q. Please provide a specification for the thru wall flashing (shown in section 3/A4.0 and various other details.) A. Thru wall flashing can be different materials, such as a peel and stick membrane. Have the masonry contractor price what he commonly uses.
5.4	Construction joints	Q. Please advise if there are any limitations to the spacing of construction joints or if it will be left up to the contractor to determine the lineal feet of wall or square feet of slab we wish to place in a single pour. A. The possible location of a construction joint is show in the ICEAS base. The contractor shall estimate the construction joints he thinks will be needed and base his estimate on that. If he is awarded the project, he will need to submit locations and proposed details.

Addendum Reference #	Reference	Question / comment
5.5	Electrical plans	<p>Questions:</p> <ol style="list-style-type: none"> Reference E012 Detail 4. The area surrounding screenings facilities (and grit) is classified (Class 1, Div 2) within 10ft. It appears LCP201 needs to be moved or be rated to be in the space. Reference NFPA 820 table 5.2.2 - 2c. Reference E012 Detail 3. The area at the inlet (first cell only) of the ICEAS basin is typically classified Class 1, Div 2 and requires 10ft envelope. Blowers and MCC301 are within this envelope. There is a concern about the NEMA 3R panels at a wastewater plant. Especially around a basin and especially around a headworks structure. They likely will not last 3-5 years. Please change the equipment (Div 11 pre-negotiated and Div 16) specified to be in classified areas? MCC801 is N3R, LCP 201 is N3R, etc. etc. all not rated for the classified areas. <p>Answers:</p> <ol style="list-style-type: none"> Provide air conditioning in the influent and effluent pump station control panels. The influent and effluent pump station control panels are to be NEMA 4x. Locate LCP 201, LCP 301 and MCC 301 in a fiberglass building as shown on the attached sketch. The fiberglass building was specified in Addendum 4. Please enlarge it to 10' x 20' to include LCP 201.
5.6	Sludge disposal	<p>The Hickory Hill Landfill along with the other Waste Management Landfills in SC and GA have a moratorium on accepting sludge from wastewater treatment facilities. Please advise.</p> <p>Answer: The sludge will need to go to the Savannah Republic Landfill. Dominic Calabretta 904-504-7897.</p>
	Section 40 60 00 - Instrumentation	Txl&C has been approved as a CSI.
	Section 10 73 23 – Fiberglass building	Warminster Fiberglass is approved as a manufacturer for the ICEAS controls building mentioned in 5.5.
	Air Piping for ICEAS	The contractor may run the air piping underground or attach it to the tank or a combination of the two.
Questions in process		
		No pending questions.

Thank you for your interest in this project.

Sincerely,
Goldie Associates

A handwritten signature in black ink that reads "Paul Lewis". The signature is written in a cursive style with a large initial "P".

Paul Lewis, PE
Project Engineer

Attachments –

1. Sketch of building location for LCP 201, LCP 301 and MCC 301.

