

CONTRACT: 278-78
PROJECT: Mason Farm WWTP Fermenter Mixing Improvements
DATE: February 8, 2021

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ADDENDA

ADDENDUM NUMBER 4

DATE: February 8, 2021

PROJECT: MASON FARM WWTP FERMENTER MIXING IMPROVEMENTS

OWASA CIP NUMBER: 278-78

OWNER: ORANGE WATER AND SEWER AUTHORITY

ENGINEER: BROWN AND CALDWELL

TO: Project Planholders

This Addendum forms a part of the Contract Documents and modifies the Bidding Documents dated October 2020 and November 2020, Addendum Number 1 issued December 17, 2020, Addendum Number 2 issued January 18, 2021, and Addendum Number 3 issued February 5, 2021, with amendments and additions noted herein below.

Acknowledge receipt of this Addendum in the space provided in the Bid form. Failure to do so may disqualify the Bidder.

This Addendum consists of 3 pages:



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CLARIFICATIONS FOLLOWING QUESTIONS FROM BIDDERS:

Question:	Answer:
<p>Drawing 850-M-004 shows the optional temporary access opening and references detail E/00-S-01. This detail tells us not to cut or damage the reinforcing (two mats of #7 at 12"). Is the intent to remove the concrete but leave the rebar completely intact? Or is there a way to remove the reinforcing here without damaging it?</p>	<p>The center portion of the area indicated to be removed can be removed entirely but the Contractor is expected to preserve the dowel bar substitutes for re-use. The Contractor should saw cut and chip away existing concrete as needed to access the dowel bar substitutes, then cut off the inner portion of the bars, then unscrew the threaded end out of the embedded cast-in dowel bar. The intent is not to damage the dowel bar substitutes that would be cast into the concrete to remain. How exactly that is done is the responsibility of the Contractor.</p>
<p>Please confirm the Contractor will not be expected to test the existing fermenter tank for leaks (liquid or gas) and will not be expected to provide any kind of guarantee for leaks in the existing fermenter tank or liner.</p>	<p>The Contractor is not expected to test the existing fermenter tank for leaks and will not be expected to provide a guarantee against leaking in the existing fermenter tank or liner. However, if the Contractor observes conditions that would allow for leaks or identifies leaks, the Engineer should be notified immediately. Additionally, if the fermenter tank leaks and it is determined through evidence that the cause of the leakage was due to the Contractor not following the requirements of the Contract Documents, the Contractor will be found at fault. The following points highlight sections of the contract documents relevant to this scenario:</p> <ul style="list-style-type: none">• Paragraph 3.03.G in Section 01 45 20 describes the functional testing requirements, which include filling the fermenter with water to functionally test the new equipment. Paragraph 3.04 describes operational test requirements for the new system, which include operating the system on water for at least 48 hours without being halted. Commissioning requirements are described in Section 01 91 00, with specific constraints detailed in paragraph 3.01 of that section. While specific testing isn't required, signs of problems would include:<ul style="list-style-type: none">○ Observed leaking of air or gas○ Unexplained water level drop during the functional testing period.○ Air not exiting the ARV on the fermenter cover while the fermenter is being filled with water.• The interior liner inspection (Paragraph 3.10 in Section 03 01 00) calls for visual observation of

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	<p>PVC liner seams at the base of the wall and liner joint at top of wall and nearby ceiling. These observations shall be documented with photos and descriptions and submitted with a written summary report of the inspection findings. <u>This report is not guaranteeing that the PVC liner system as a whole doesn't have leaks</u> but is evaluating areas that are presumed to most likely have damage. Any areas where the PVC liner is compromised should be brought to the Engineer's attention.</p> <ul style="list-style-type: none">• The Contractor is required to repair any penetrations or disturbances made to the PVC liner as part of this work per the details in the Contract drawings and the manufacturer's requirements.• The Contractor shall follow the requirements regarding maximum allowable embedment depth for any anchors or penetrations into the existing fermenter slab and basement slab of the adjacent control building. This is to prevent the entry of groundwater into these areas. If water entry occurs at these penetrations, the Contractor will be responsible for the cost of fixing these leaks (and any damage caused by flooding) unless they can show they followed the embedment depth requirements of the Contract documents.
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