



west virginia department of environmental protection

Division of Water and Waste Management
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Harold D. Ward, Cabinet Secretary
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MEMORANDUM

TO: Katheryn Emery, P.E., Program Manager, DWWM

FROM: Spencer Fultineer, DWWM

DATE: April 14, 2026

SUBJECT: Greater Harrison PSD - Quiet Dell
IJDC No. 2022S-2162
Wastewater Treatment Facility
Contract No. 1 CO No. 3 - Helical Piles Replacement of Caissons and
Additional Helical Piles at WAS Tank

RECOMMENDATION

The use of contingency request prepared by The Thrasher Group Inc. for the above referenced project has been reviewed and is technically feasible.

DISCUSSION

The total for this change order is \$508,000 and the request proposes to use IJDC Contingency funds for the full amount. This change order includes a credit for \$97,000 to account for cost recovered by replacing caissons with helical piles. This credit reduces the initial cost of \$605,000.

The structural engineer recommended that there needs to be a deep structural support added underneath the WAS tank to prevent damage due to settling. With the materials on site not providing the necessary support underneath the structures, it was discussed that either it was necessary to remove the existing material and increase its support with the addition of new material or insert structural supports that are secured into more supportive material underneath the initial layer. In order to make the most efficient use of project funds, it was decided to use helical piles instead of adding additional caissons to support the WAS tank and headworks

building. The helical piles are capable of holding the weight of not only those structures, but are more affordable to purchase and install and do not require the remobilization of the equipment used for the caisson installation.

This Change Order comes with a time extension of 60 days to accommodate the increased workload.