



## City of Muscatine



### AGENDA ITEM SUMMARY

City Council

DATE:

10/08/2020

#### STAFF

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David Popp, Solid Waste/Collection and Drainage

Brian Stineman, Public Works Director

#### SUBJECT

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Muscatine County Landfill Ravines Five and Six Grading and Seeding

#### EXECUTIVE SUMMARY

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Staff requests to approve the proposal from Rittmer Inc. for additional grading and seeding work at the Muscatine County Landfill. This work is part of a remedial action plan from the Iowa DNR to control migration of leachate on the east boundary of the Landfill property. The costs for this project are \$200.00 per hour, not to exceed \$80,000.00 for dirt work performed, seeding of eleven acres not to exceed \$19,800.00 and installation of silt fence not to exceed \$2500.00.

#### STAFF RECOMMENDATION

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Staff recommends Council approve the attached proposal from Rittmer Inc.

#### BACKGROUND/DISCUSSION

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The Muscatine County Solid Waste Management Association entered into an Administrative Consent Order with the Iowa DNR on February 11, 2015. This consent order was to remedy what the Iowa DNR identified as three areas of concern at the Muscatine County Landfill. One of the areas of concern was identified as groundwater contamination extending beyond the Landfill property on the east property line. Monitoring wells have been installed both on and off of the Landfill property to help monitor and identify the extent of contamination off of the Landfill property. The engineering firm used at the Muscatine County Landfill, Evora Consultants, has also recommended as part of the control measures for leachate migration, that grading improvements be made on the east side of the Landfill. This project would provide for filling and grading areas that currently do not allow surface storm water to runoff, thus allowing storm water to soak into the soil which allows more leachate to be produced,

thus adding to the leachate plume that is spreading off of the Landfill property. Rittmer Inc. is currently under contract with the City of Muscatine for the Muscatine County Landfill operations, thus being the only quote for the additional landfill work. The Landfill contract does allow for extra compensation for work not addressed specifically in the contract.

#### CITY FINANCIAL IMPACT

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The Landfill capital outlay budget for 2020/2021 allows for \$100,000.00 in groundwater remediation improvements.

#### ATTACHMENTS

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Rittmer Inc. Proposal

**Rittmer, Inc.**  
 2464 330th Ave  
 DeWitt, IA 52742

# Proposal

**Proposal Date:** 9/23/2020

**Proposal #:** 041840

**Project:**

**Bill To:**

CITY OF MUSCATINE  
 MUSCATINE LANDFILL

Description	Est. Hours/Qty.	Rate	Total
MUSCATINE LANDFILL RAVINE 5 AND 6			
GRADING OF RAVINE 5 AND 6 PER SEPTEMBER 2020 PLANS (CUT/FILL AND GRADING ALONG EAST DITCH TO IMPROVE DRAINAGE - TO BE BILLED HOURLY PER MACHINE AT A RATE OF \$200.00/HR - THIS PRICE INCLUDES OPERATOR		0.00	0.00
SEEDING (SEED, FERTILIZE, STRAW) OF APPROXIMATELY 11 ACRES		19,800.00	19,800.00
INSTALLATION OF APPROXIMATELY 1000 LF OF SILT FENCE		2,500.00	2,500.00
*This quote is based on using fill material from the front borrow. *Payment terms may be negotiated to spread cost over 12 months if the City prefers.			
<b>Total</b>			<b>\$22,300.00</b>

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