



City of Muscatine



AGENDA ITEM SUMMARY

DATE: 11/12/20

STAFF

Jeff Limburg, Athletic Facilities Supervisor

Richard Klimes, Director of Parks and Recreation

SUBJECT DOT

Request Approval of a Purchase Order for Soccer West Drainage Project

EXECUTIVE SUMMARY

The Parks and Recreation Department requests to issue a purchase order for the Soccer West Drainage Project. Quotes were received and the low quote for drainage materials was from Menards in the amount of \$11,218.30. The total project will be \$17,385.00. The additional cost will include misc. building materials and supplies from several different vendors.

STAFF RECOMMENDATION

At this time, City staff would recommend the approval of a purchase order to Menards in the amount of \$11,218.30 for the Soccer West Drainage Project.

BACKGROUND/DISCUSSION

Soccer West is located on the West side of Houser Street across from the Muscatine Soccer Complex. Development of this site started in 2018 and included trails, a parking lot, safety feature street crossings, MUSCO field lights, and 4 full size multi-purpose grass fields. The facility opened to the public during the summer of 2020.

As the attached division support memo explains, drainage issues exist with Soccer West that can be remedied in house by City staff with the purchase of some materials. In consultation with the City Engineer, a plan has been developed to add drainage tiles along the East and West side of the playing fields to better handle the storm water that exists during rain events. The erosion is so great that playing field accessibility is hampered and large deep ruts are realized making it dangerous to play and to maintain the facility.

During the windstorm in August, the 10 row bleachers were damaged on field #4 in the Soccer Complex. It is staff's recommendation to not replace the bleachers but instead to use \$17,385.00 of the insurance money to fund the Soccer West Project.

CITY FINANCIAL IMPACT

The cost of the Soccer West Drainage project will be \$17,385.00 and can be funded from previously received insurance proceeds due to not replacing the 10 row bleachers on soccer field #4 damaged in the windstorm on August 10, 2020.

ATTACHMENTS

Division Support Memo

MEMORANDUM
November 12, 2020

TO: Richard Klimes, Director of Parks and Recreation
FROM: Jeff Limburg, Athletic Facilities Supervisor
SUBJECT: Soccer West Drainage

Soccer West was engineered and designed to have surface drainage from the North end of the facility to the South end, with drainage ditches running on both the East and West sides of the playing fields to help drain the facility. A berm was installed on the far North side of the facility to redirect rainfall from the American Legion parking lot and into the far West drainage ditch between the facility and the commercial buildings.

Over the past year, we have experienced several occasions where the facility was unable to handle large rainfall situations given the length of run that the facility is currently designed to drain. Both the East and West sides of Fields 11 & 12 have had significant surface water flow and ponding, making it unpassable for both the users of the facility and maintenance staff. We have installed several short sections of filter sox along both sides of the complex drainage to slow the water flow down, only to have it fail due to the amount of water coming down each side.

It is our recommendation to install a subsurface drainage system on both the East and West perimeters of Fields 11 & 12. The system will include two end sections to help capture the surface drainage from Fields 9 & 10 and a subsurface drainage will run parallel to Fields 11 & 12 to capture surface drainage from the parking lot and the adjacent fields. The concept plan and design has been reviewed and approved by the City Engineer.

The project can be completed by City staff, and we have received cost estimates for the purchase of the materials. We have received three quotes for the purchase of drainage tile and supplies with the following quotes:

Menards \$11,218.30
Grainger \$12,586.00
Furguson \$13,529.00

At this time, we are requesting the approval of a purchase order to Menards for \$11,218.30. Additional materials will be needed to complete this project and will include drainage stone, concrete, fabric, and miscellaneous supplies for a total approximate cost of \$17,385. We have identified a funding source of \$32,996 from insurance reimbursement for the bleachers that were damaged by the windstorm at the Soccer Complex to help fund this project. The bleachers that were damaged are not needed and do not need to be replaced.

