

MEMORANDUM

TO: Park Advisory Commission

FROM: Colin Smith, Parks & Recreation Services Manager

DATE: May 15, 2018

SUBJECT: RESOLUTION TO RECOMMEND A PETITION TO THE WASHTENAW COUNTY WATER RESOURCES COMMISSIONER TO PROCEED WITH DESIGN AND CONSTRUCTION OF STREAM BANK STABILIZATION IN GLAZIER HILL PARK

Attached for your review and approval is a resolution recommending a petition to the Washtenaw County Water Resources Office to proceed with a stream bank stabilization project in Glazier Hill Park identified in the Capital Improvement Plan as Project UT-ST-16-03.

The section of Miller Creek is one of the most severely eroded streams in the city and is the leading source of downstream sedimentation in Ruthven Park. Erosion is the result of excessive flows from neighborhoods constructed prior to the use of robust stormwater management practices.

A petition to the Water Resources Office will make use of stream bank stabilization project expertise that has been employed in collaboration with City staff at Leslie Park Golf Course and throughout the lower portion of Malletts Creek from Washtenaw Avenue to South Pond.

The petition would also establish this tributary as a County Drain within the Park boundary. Construction will be financed through the State Revolving Loan Fund. All future work related to flow and maintenance of the channel for stormwater conveyance would be under the jurisdiction of the Water Resources Office. Construction debt and any future maintenance would, therefore, be assessed to the Stormwater Utility.

NAP has been kept informed, toured the site with staff and has advised the project team. Of significant note are approximately 100 trees above 6 inches in diameter, within the likely area of impact, which will be removed. These trees have been inventoried and measured. The project will conform to the City's Guidelines for the Protection and Mitigation of Natural Features. NAP will continue to be consulted during design and construction.

The project will prevent future erosion in the Park by creating a stream profile capable of handling flows from the upstream stormwater network. The construction will take place within a flatter creek corridor, not on the steeper slopes. Site stabilization will make use of native plants, shrubs and trees.

Prepared by: Harry Sheehan, Chief Deputy, WCWR
Reviewed by: Colin Smith, Parks & Recreation Services Manager

RESOLUTION TO RECOMMEND A PETITION TO THE WASHTENAW COUNTY
WATER RESOURCES COMMISSIONER TO PROCEED WITH DESIGN AND
CONSTRUCTION OF STREAM BANK STABILIZATION IN GLAZIER HILL PARK

Whereas, in 2013, the City of Ann Arbor's commissioned and received the "Management of Millers Creek Sediment Accumulation Study";

Whereas, the Study found erosion along the banks of a tributary to Miller Creek, located in Glazier Hill Park, to be the leading source of downstream sedimentation to Ruthven Park;

Whereas, sediment reaching the Huron River from Miller Creek delivers excess phosphorus that contributes to harmful algae blooms in Ford Lake and Lake Erie;

Whereas, a Capital Improvement Plan Project UT-ST-16-03 identifies the project for implementation with Stormwater Utility funds, and the City now has the opportunity to proceed;

Whereas, the City of Ann Arbor seeks to petition the Washtenaw County Water Resources Commission) to perform the work and establish long-term maintenance obligation;

RESOLVED, that the Parks Advisory Commission recommend that City Council approve a petition to the Washtenaw County Water Resources Commission for stream bank stabilization in Glazier Hill Park;