



Legislation Details (With Text)

File #:	24-6079	Version:	1	Name:	Willowstone Estates Detention Pond Expansion Feasibility Study
Type:	Resolution	Status:		Status:	Passed
File created:	6/25/2024	In control:		In control:	City Council
On agenda:	7/8/2024	Final action:		Final action:	7/8/2024
Title:	Resolution - A Resolution of the City Council of the City of Mansfield, Texas, Approving a Professional Services Contract with Westra Consultants, LLC for a Feasibility Study to Expand the Willowstone Estates Detention Pond in an Amount not to exceed \$78,500; Finding that the Meeting at Which this Resolution is Passed is Open to the Public as Required by Law; and Declaring an Effective Date (Drainage Utility Fund)				
Sponsors:	Howard Redfearn				
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Attachments:	1. Resolution, 2. Contract, 3. Exhibit				

Date	Ver.	Action By	Action	Result
7/8/2024	1	City Council	Approved	Pass

Resolution - A Resolution of the City Council of the City of Mansfield, Texas, Approving a Professional Services Contract with Westra Consultants, LLC for a Feasibility Study to Expand the Willowstone Estates Detention Pond in an Amount not to exceed \$78,500; Finding that the Meeting at Which this Resolution is Passed is Open to the Public as Required by Law; and Declaring an Effective Date (Drainage Utility Fund)

The authorization of funding in an amount not to exceed \$78,500 and approval of a contract for feasibility evaluation services with Westra Consultants, LLC. To expand the Willowstone Estates detention pond capacity.

Approve the resolution for the professional services contract in the amount of \$78,500 for engineering design services.

During the June 2022 rain event, several homes in the Spirit Walk Dr/Moore Rd area flooded. Resolution RE-3951-22 approved 12/12/22 authorized the City to contract with Westra Consultants, LLC. for \$58,500 to complete analysis of 3 areas to identify root causes for flooding.

Analysis of the system was completed and report prepared. The analysis determined the detention pond for the subdivision was undersized for the area draining to it. This results in uncontrolled overflow of the pond leading to flooding in the surrounding area.

The feasibility study is the next step in determining how best to control or prevent the overflow. The purpose of the feasibility study is to evaluate what additional detention can be realized with additional excavation in the existing drainage easement area of the subdivision. In addition to increasing the detention capacity, the feasibility study will evaluate alternatives for the detention pond outfall. Results of the feasibility will determine if a construction design project is recommended or not.

The existing detention pond is undersized causing floodwaters to enter homes and property. This project will evaluate the feasibility of a solution to the flooding.

Funds for completion of the evaluation are available in the Drainage Utility Fund.

Drainage Utility Fund

Howard Redfearn Environmental Manager, Environmental Services Department
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