

CAPITAL IMPROVEMENT PLAN FY2020 - FY2024

PROGRAM: DRAINAGE

Program Priority: **11**

PROJECT NAME: Hidden Oaks/Calder Road Drainage Improvements

CIP NUMBER:

CONTACT PERSON: Christopher Sims

PROJECT COST BY FISCAL YEAR

Project Cost	Previously Appropriated	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Future Years	Total
Planning/Design		16,400						\$16,400
Land								\$0
Construction		52,055						\$52,055
Equip/Furnishings								\$0
Total Cost	\$0	\$68,455	\$0	\$0	\$0	\$0	\$0	\$68,455

FUNDING SOURCE BY FISCAL YEAR

Funding Source	Previously Appropriated	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Future Years	Total
Prior Bonds								\$0
Authorized GO Bonds		68,455						\$68,455
Future Bonds								\$0
Potential Grant(s)								\$0
Park Dedication Fees								\$0
4B Funding								\$0
CRF Funds								\$0
Other: Cash								\$0
Total Funding	\$0	\$68,455	\$0	\$0	\$0	\$0	\$0	\$68,455

PROJECT DESCRIPTION

This drainage project will address the flooding hazards experienced in and around the homes on Hidden Oaks Street, Shadow Circle, Sunset Circle, and Calder Drive (a Collector Level Roadway). This area of Calder Drive is the only emergency evacuation route for multiple subdivisions (over 90 additional home sites).

Purchase the existing fifteen foot (15') drainage easement located on 1119 Hidden Oaks Drive as drainage ROW. Remove and relocate the existing fence off drainage easement, giving a clear, unobstructed path for the overflow rain and runoff to reach Kelly's Ditch. Regrade the drainage swale and cover with sod or concrete.

Regrade drainage for Shadow Circle and Sunset Circle, construct Type 'A' grate inlets in front of the existing Shadow Circle and Sunset Circle Type 'E' inlets to provide a more efficient conveyance of storm water from the Pecan Forest Subdivision into Calder Drive system. The Type 'A' inlets will connect to the existing Type 'E' inlets with 18-inch RCP.

PROJECT JUSTIFICATION

This project will provide a clear, unobstructed drainage channel for rainfall runoff events exceeding the 1% rainfall event, reduce or eliminate the ponding due to the amount of rainfall runoff crossing Calder Road from the Pecan Forest Subdivision and entering Hidden Oaks, and provide the City unrestricted access to the drainage swale for maintenance.

This Project will allow for safer access to Calder Drive during 1% exceedance events and reduce the potential of structural flooding for approximately 33 homes.

ADDITIONAL CONSIDERATIONS

	YES	NO	Recurring M&O Costs	Amount
Is the project necessary under State/Federal Mandate, contractual obligation, or City Code?		NO	Personnel/Benefits (50xx)	\$0
Will this project create future Capital Projects?		NO	Supplies (51xx)	\$0
Is your request in the current C I P ?	NO		Repairs/Maintenance (52xx)	\$0
If yes, has the cost of the project changed?	YES		Services (53xx)	\$0
			TOTAL	\$0