

Drainage Capital Projects

Drainage Improvements

DR1601

PROJECT DESCRIPTION & JUSTIFICATION

There are two sections to the drainage improvement project. The first section consists of construction of a concrete drainage flume in the Holiday West Addition, between Meadow Park Drive North and the Holiday West Channel. The second section consists of reconstructing a concrete flume in the Steeple Ridge subdivision.

In the Meadow Park Drive section of this project, the in ground drainage system in the Holiday West Addition outfalls into the Holiday West Channel by way of several curb inlets and three storm drain pipes. However, during heavy rain events like those experienced during 2007, this storm drain system does not adequately convey the runoff into the channel. As a result, the eastern part of Meadow Park North fills with water well beyond the right-of-way line, flooding several properties and any cars in the street. Current drainage standards require an overland path of relief for the storm water, something that was not provided when this subdivision was constructed in the 1970's. A concrete flume can be constructed within an existing drainage easement between two homes, providing an additional path for the runoff and eliminating this problem. In the Steeple Ridge section of the project, the existing concrete flume between Steeple Ridge and High Point Estates is experiencing structural problems, highlighted by the extreme weather conditions this spring. The flume is being undermined by upstream flow, causing loss of subgrade and erosion problems on adjacent properties. This project will remove and reconstruct the flume, address any subsurface stability issues, and improve the capacity of this drainage connection.

PROJECT STATUS

	ORIGINAL START DATE	2016/17 REVISION	ORIGINAL END DATE	2016/17 REVISION
Professional Services				
Engineering	10/2015	09/2016		
Land/ROW Acquisition				
Construction	10/2015	09/2016		
Other				

REVISION EXPLANATION

Available project savings in project DR1601 is being requested to be transfer into project DR1503 - Calloway Branch Channel Repair project. The construction bid received on DR1503 came in \$376,814.00 over the estimated budget.

FINANCIAL DATA

	ADOPTED BUDGET THRU 2016/17	PROJECT REVISION	REVISED BUDGET THRU 2016/17	REMAINING BALANCE	TOTAL PROJECT COST
FUNDING SOURCES					
Reserves	\$95,000	(\$84,056)	\$10,944		\$10,944
			0		\$0
			0		\$0
			0		\$0
			0		\$0
Total	\$95,000	(\$84,056)	\$10,944	\$0	\$10,944
PROJECT EXPENDITURES					
Professional Services			\$0		\$0
Engineering/Design	20,000	(9,056)	10,944		\$10,944
Land/ROW Acquisition			0		\$0
Construction	75,000	(75,000)	0		\$0
Other			0		\$0
Total	\$95,000	(\$84,056)	\$10,944	\$0	\$10,944

IMPACT ON OPERATING BUDGET

No operating impact is anticipated.

ANNUAL OPERATING IMPACT	2016/17	2017/18	2018/19	2019/20	2020/21	TOTAL
Projected						\$0