

Project 17 Sunset Lane



3900 Block of Sunset Lane



Commercial Drive Basin



4000 Block of Sunset Lane

PROJECT 17
SUNSET LANE

Statement of Condition:

The existing drainage system and its outlet, consisting of a combination of ditches and culverts, is over 50 years old (Sunset View Estates, platted 1945) and runoff has increased due to redevelopment of properties. The system cannot adequately convey storms of moderate to high intensities; consequently, depressional areas located along the street are subject to ponding when the drainage system capacity is exceeded.

Problem Identification:

Street and front yard flooding

Recommended Plan:

- Improve outlet by constructing a low flow storm sewer from Sunset Lane to the Commercial Avenue stormwater detention facility
- Extend storm sewer along Sunset Lane to serve low areas east and immediately west of the new storm sewer outlet
- Reduce the flooding potential for the westerly low area by disconnecting the upstream portion of the existing storm sewer from the area along Sunset Lane that will be served by the new storm sewer
- Mitigate for the increased flows to the detention facility by increasing the storage volume by $2.5 \pm$ acre-feet and modifying its outlet

Estimated Total Cost	Construction Cost	Property Cost	Engineering Cost	B/C Ratio	Optimum Protection
\$432,000	\$363,000	\$20,000	\$54,000	0.05	10-yr

