

Project 30

Wendy Drive

1224 Wendy Drive
looking Northeast



1224 Wendy Drive
looking North

1224 Wendy Drive
looking Northeast



PROJECT 30 WENDY DRIVE

Statement of Conditions:

The drainage of the low area on Wendy Drive that floods is dependent upon an older, existing drainage system. That drainage system utilizes the Ridge Road storm sewer for low flows and the depth of flooding for moderate to high rain intensities is controlled by the flood overflow conditions at Ridge Road. Conditions are further aggravated by increased runoff due to more recent development that drains to that system. Another contributing cause of these conditions is overflow from Caryn Terrace. The Wendy Drive drainage system cannot adequately convey storms of moderate to high rainfall intensities. As a result, the flooding of Wendy Drive occurs. When the pavement is flooded, access to the southerly section of Wendy Drive is limited.

The MSMP Project 13, RIDGE ROAD/LEE ROAD was recently completed (2012) and included the construction of a new storm sewer along Ridge Road from Lee Road to Daryl Lane. Otherwise, the majority of the Ridge Road drainage system is 45-55 years old and cannot adequately convey storms of moderate to high intensities. Project 13 provides the opportunity to improve the local drainage system upstream of Daryl Lane as it can serve as an improved outlet.

Problem Identification:

Street and front yard flooding

Recommended Plan:

- Improve inlet capacity along Wendy Drive by constructing additional inlet structures at the Wendy Drive low area and at the Ridge Road intersection.
- Improve low flow conveyance along Wendy Drive from its low area to Ridge Road by constructing a larger storm sewer
- Improve low flow conveyance along Ridge Road from Wendy Drive to Daryl Lane by constructing a larger storm sewer.
- Provide a flood overflow route along Wendy Drive around the southeast corner of the Ridge Road intersection. An easement will likely be needed

Or,

- Provide stormwater detention within a suitable, acquired lot adjacent to the flooded area to mitigate potential project drainage impacts if necessary.

Estimated Total Cost	Construction Cost	Property Cost	Engineering Cost	B/C Ratio	Optimum Protection
\$ 229,000	\$ 186,000	\$15,000	\$ 28,000	0.28	10-yr

