

Project 5 Cherry Lane Underpass



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Northeast Corner of Cherry Lane at Meadow Road



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Statement of Conditions:

The underpass floods when WFNBCR reaches flood stage from long duration storms and/or when the storm sewer collection and conveyance system located east of the underpass surcharges due to localized high intensity storms and/or the pumps can't keep up with the incoming flow of water.

Problem Identification:

- Underground parking structure flooding identified.
- Underpass flooding results in disruption of traffic, including emergency vehicles, and requires Public Works effort to install and remove road closure signing and perform cleanup.
- Reduction in underpass flooding potential due to river flooding would require a major WFNBCR watershed project or underpass reconstruction.
- Local storm sewer system has been observed to overflow to underpass area.

Recommended Plan:

Construct additional inlets and conveyance storm sewer improvement from Cherry Lane southerly along Meadow Road to the WFNBCR

Estimated Total Cost	Construction Cost	Property Cost	Engineering Cost	B/C Ratio	Optimum Protection
\$246,000	\$205,000	10,000	\$31,000	3.51	10-yr

