

**Project 6
Church Street
(Near Chapel Court)**



1300 Block of Church Street



Inlet Drainage System in the
1300 Block of Church Street

Church Street Proposed
Easement Area



PROJECT 6
CHURCH STREET
(Near Chapel Court)

Statement of Conditions:

The existing drainage system, approximately 50 years old and intended to carry low flow stormwater runoff based upon older, less stringent standards, cannot adequately convey storms of moderate to high intensities. Conditions are further aggravated by recent development contributing increased runoff to that system.

Problem Identification:

- Ponding occurs on Church Street in both directions from the Chapel Court intersection when existing inlet capacity is exceeded, resulting in street closure.
- During major storm events, overflows travel overland through the front and side yards of residential properties to WFNBCR.

Recommended Plan:

- Construct additional inlets to improve Church Street collection system inlet capacity
- Construct flood overflow storm sewer from the Church Street low area (southerly of Chapel Court) to WFNBCR channel on an acquired drainage easement

Estimated Total Cost	Construction Cost	Property Cost	Engineering Cost	B/C Ratio	Optimum Protection
\$80,000	\$61,000	\$10,000	\$9,000	0.54	10-yr

