

Project 19
Weller's Subdivision
(Weller, Hillcrest, and Christina Lanes)



2900 Block of Weller Lane



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PROJECT 19
WELLER'S SUBDIVISION
(Weller, Hillcrest and Christina Lanes)

Statement of Conditions:

Weller's Subdivision was recorded in June 1946; the drainage system is 60+ years old and is a combination of ditches and culverts. Village records indicate the existence of a Weller Lane midblock outlet that traverses through seven private properties on its path to the Keystone Road drainage system at Pfingsten Road. Over time, runoff has increased due to properties being redeveloped, the midblock outlet has deteriorated and is in need of replacement and these systems cannot adequately convey storms of moderate to high intensities.

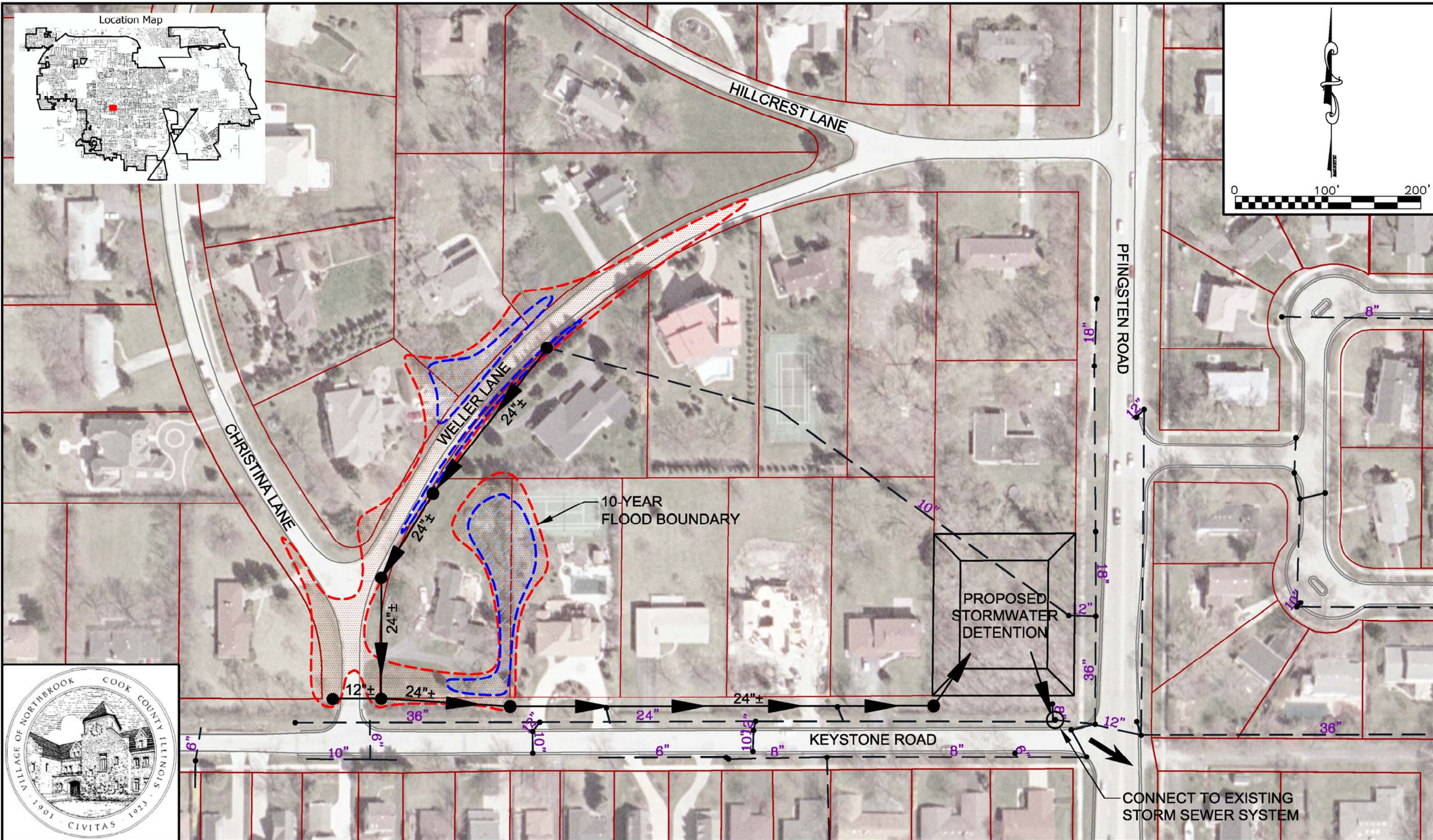
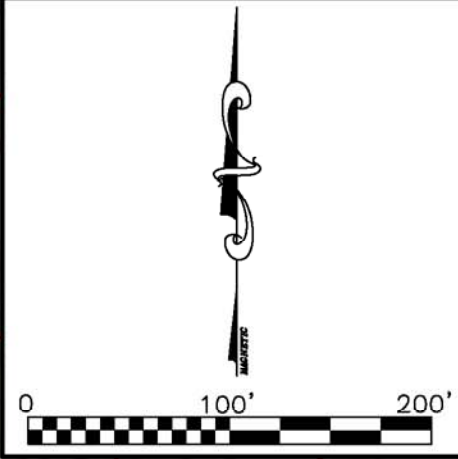
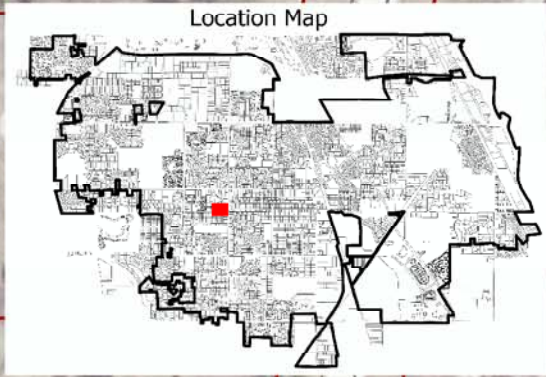
Problem Identification:

Street and intersection, front yard and back yard flooding

Recommendation Plan:

- Improve outlet by constructing a replacement low flow storm sewer from midblock Weller Lane to Keystone Road and extending the sewer easterly to the northwest corner of Pfingsten and Keystone Roads
- Improve drainage collection system by adding inlets
- Acquire vacant lot at northwest corner of Pfingsten and Keystone Roads
- Provide mitigation for increased flow conveyance by constructing a 1.8 ± acre-foot stormwater detention facility on vacant lot

Estimated Total Cost	Construction Cost	Property Cost	Engineering Cost	B/C Ratio	Optimum Protection
\$784,000	\$273,000	\$400,000	\$41,000	0.04	10-yr



WELLER'S SUBDIVISION (WELLER, HILLCREST AND CHRISTINA LANES)

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