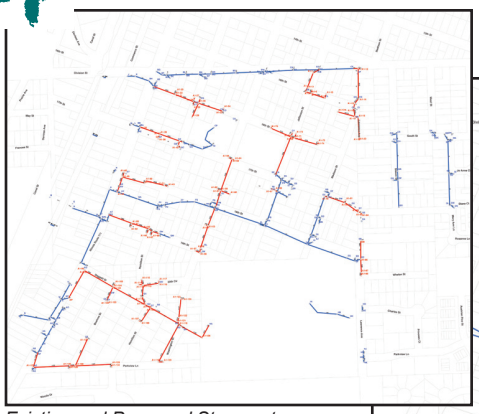
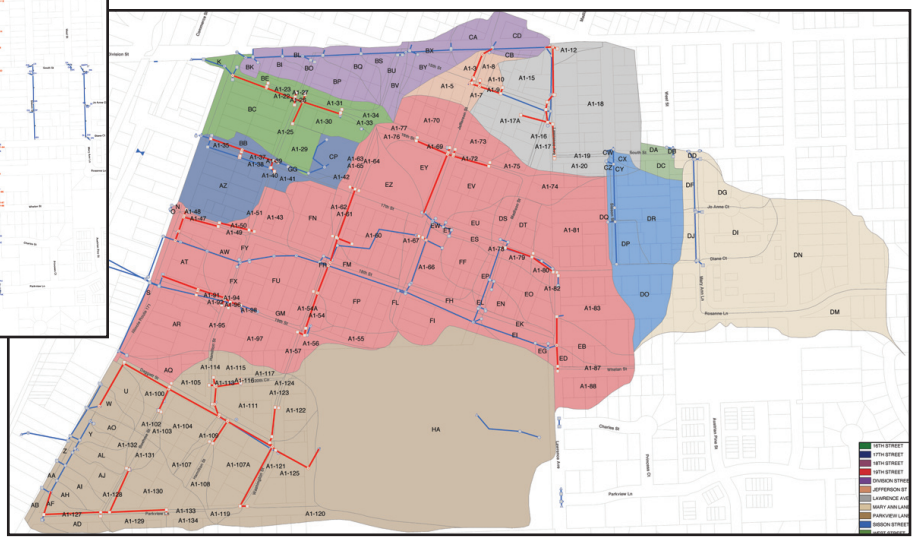


Existing and Proposed Stormwater Infrastructure



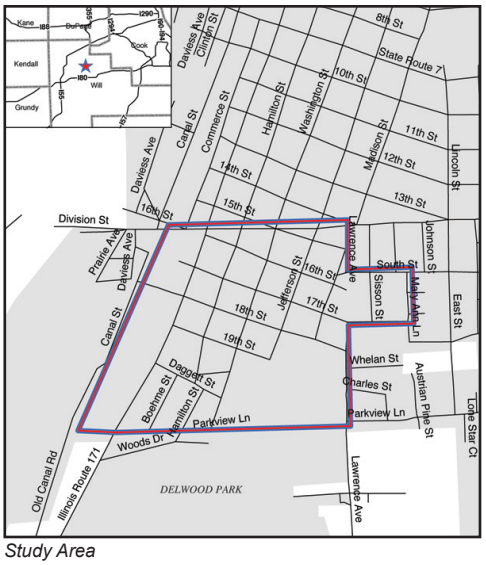
Proposed Subdrainage Watersheds

The City of Lockport had identified stormwater conveyance deficiencies in the 'South End' area of the City. EEI was retained to develop a stormwater conveyance master plan for the 0.28 square mile South End area.

The primary goal of the master plan was to provide improved stormwater conveyance, thereby reducing the recurrence of flooding damage in the study area. The plan inventoried existing stormwater infrastructure within the area and evaluated its condition, identified existing system conveyance deficiencies, and evaluated proposed infrastructure improvement projects to increase stormwater conveyance and reduce flooding related damage in the study area.

Haestad Methods, Inc. StormCAD® v5.5 was used to evaluate the conveyance capacity of the existing stormwater conveyance infrastructure network. Several alternatives were developed with the intent to convey a 10-year recurrence interval storm without flood damage while reducing or eliminating the existing flood related damage experienced during a 100-year recurrence interval storm. The various alternative improvement projects were evaluated based upon overall cost and effectiveness.

Critical infrastructure improvements were identified and prioritized. Non-critical infrastructure improvements were to be implemented in coordination with the City's road improvement program.



Study Area