



# LANCASTER FLOOD DAMAGE REDUCTION PROJECT



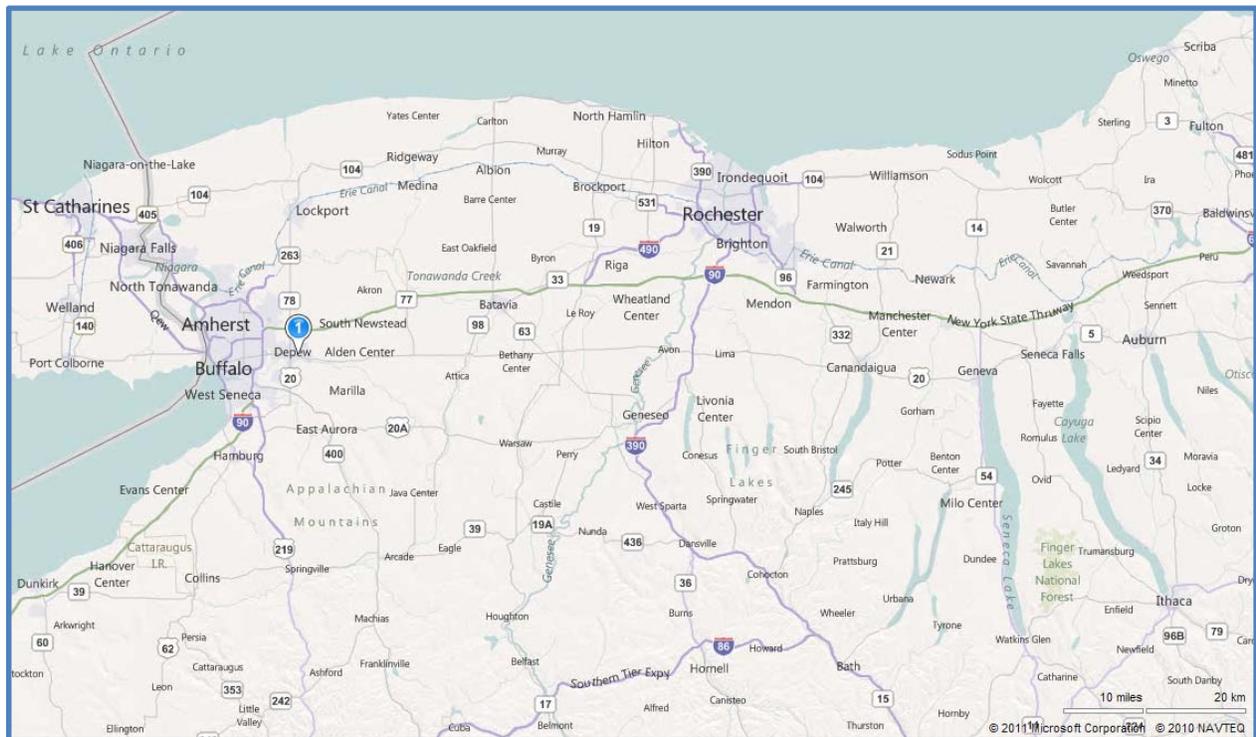
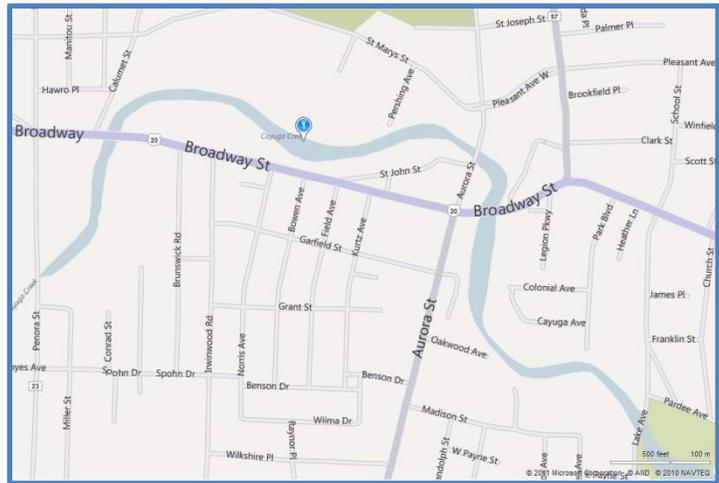
Department of  
Environmental Conservation

Operated and Maintained by: *New York State*

*Region 9 Counties: Allegany, Chautauqua, Cattaraugus, Erie, Niagara, Wyoming*

## PROJECT LOCATION

The project is located on Cayuga Creek entirely within the confines of the Villages of Lancaster and Depew, in Erie County, New York.



## **PROJECT DESCRIPTION**

The improvement consists of the following work:

- Channel straightening and widening; constructing earth levees, earth embankments.
- A steel sheet pile flood wall, with concrete cap and concrete and riprap slope paving.
- To provide for the internal drainage, a storm water interceptor leading to a new pumping station on the left bank east of the present village disposal plant.
- A second pumping station on the right bank upstream of the Upper Broadway Bridge, and a pressure culvert were built.
- Miscellaneous alterations were made to the existing storm-water sewers to tie into the new features.
- Headwalls with automatic gates were constructed where required and the existing sanitary sewer siphons were reconstructed.

## **AUTHORIZATION**

The Flood Control Act of August 18<sup>th</sup>, 1941 (Public Law 228, 77<sup>th</sup>, Congress, 1<sup>st</sup> session) authorized construction of flood control improvements on Cayuga Creek at Lancaster, New York, substantially in accordance with the recommendation of the Chief of Engineers in House Document No. 326, 77<sup>th</sup> Congress, 1<sup>st</sup> session.

## **PROTECTION PROVIDED**

The authorized plan of flood protection on Cayuga Creek at Lancaster, New York, is based on the alleviation of flood damages in this area. Cayuga Creek meanders through Lancaster and Depew and developments on the banks have been periodically flooded by both spring and summer floods. The constructed protective works provide only limited protection, as it was not economically feasible to protect against extremely high flood stages. The project is designed to protect the Village against a discharge of 18,000 c.f.s., which is the estimated peak discharge of the maximum flood of record that occurred on June 21<sup>st</sup>, 1937.

## **CONSTRUCTION**

Work entailed:

- Straightening and widening about 1-1/2 miles of the channel.
- Constructing earth levees, steel sheet pile flood wall, storm water interceptors, two pumping stations, pressure culvert, headwalls and automatic gates.

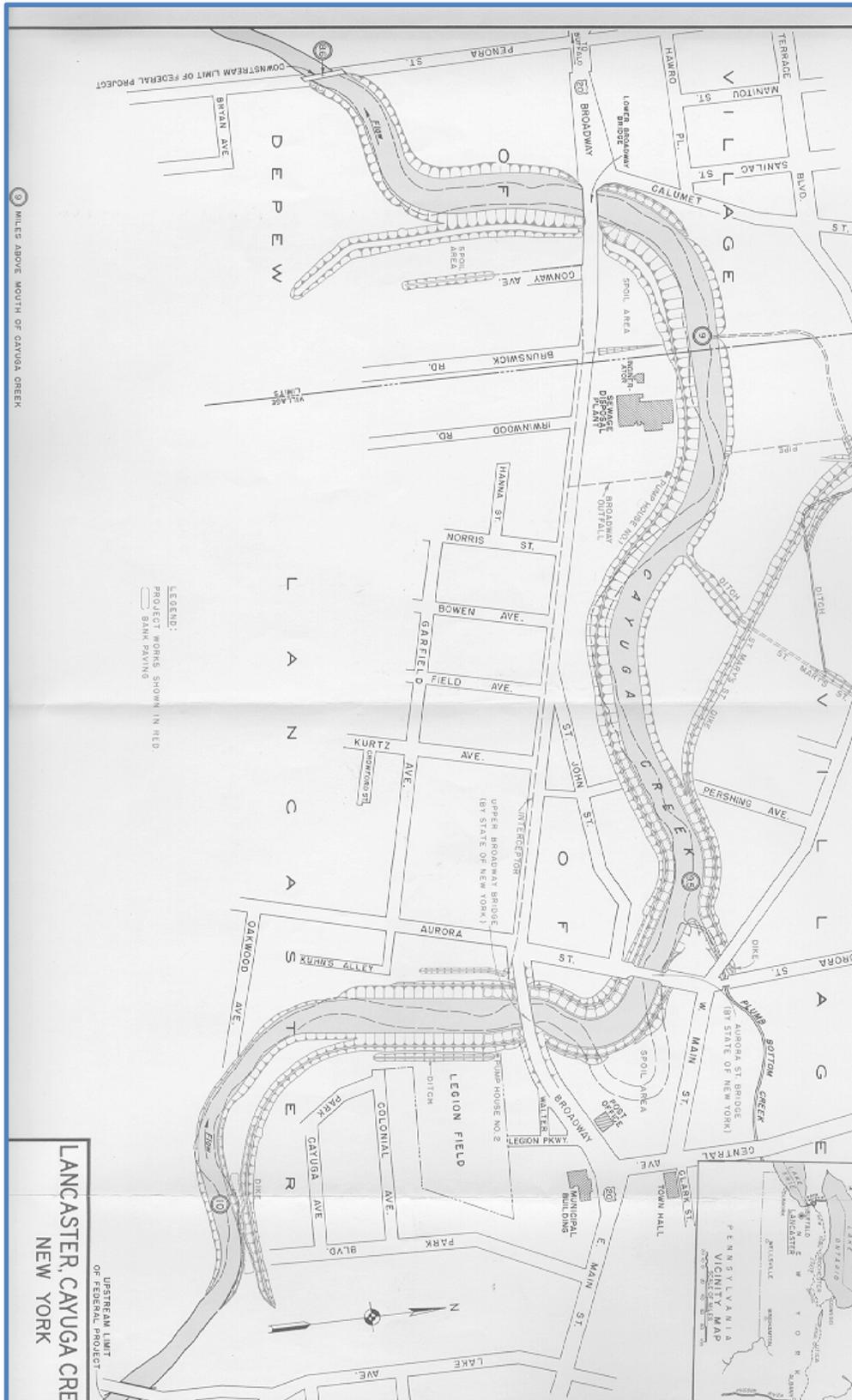
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- The placement of concrete riprap slope paving; and making miscellaneous alterations to storm water and sanitary sewers was done during the period from June 1947 to January 1949, by contract with the Bison Contracting Corporation of Buffalo, New York.

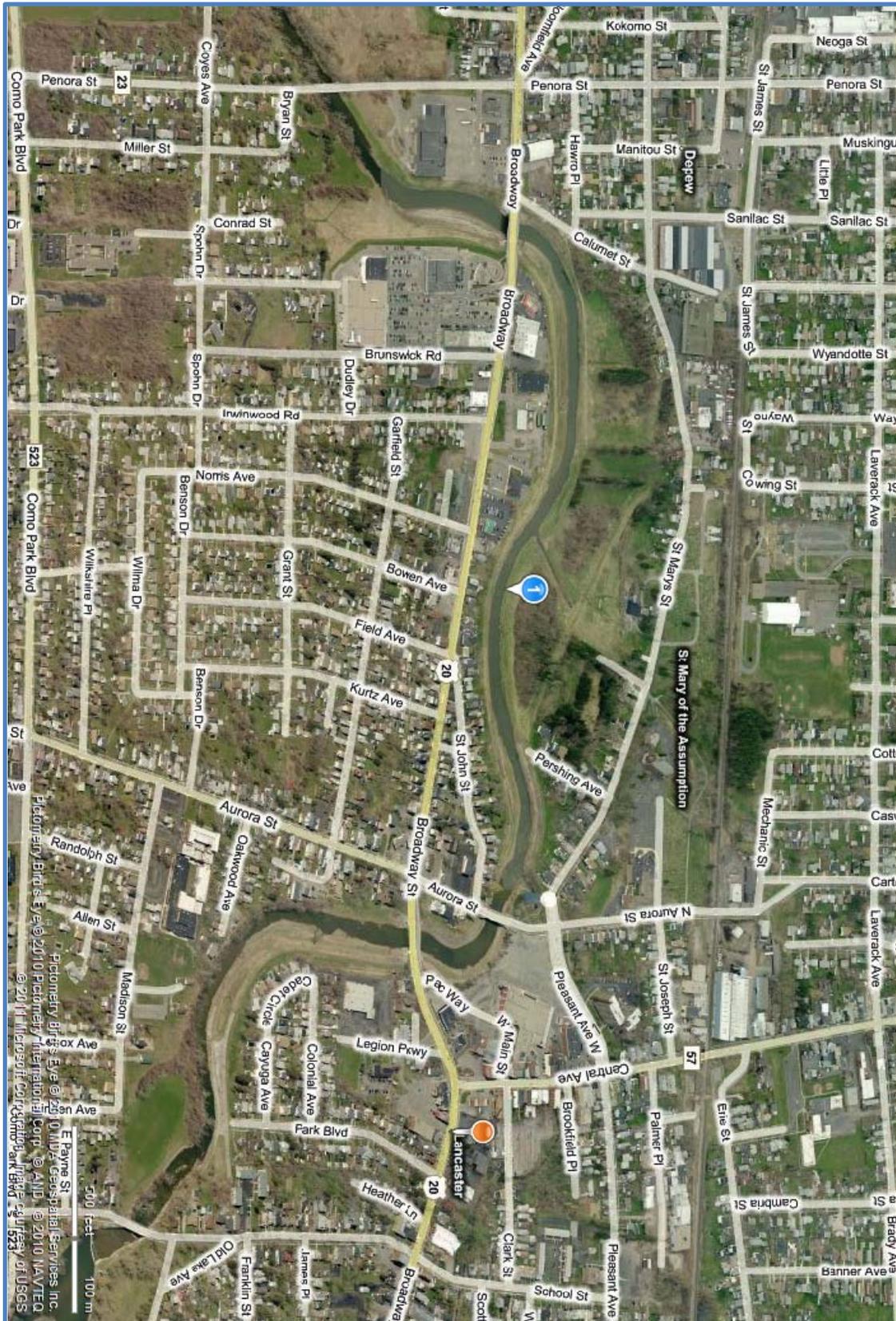
Final inspection of the project revealed the necessity for minor grading and seeding. The contractor completed the necessary seeding and grading during May 1949. Furnishing pumps, panel boards, controllers, indicators, and related equipment was constructed during the period from December 1947 to April 1948 with various suppliers, dependent upon the nature and type of equipment required.

Installation of the pumps and related electrical equipment was done during the period from January 1949 to July 1949, by contract with the Robertson Electric company of Buffalo, New York.

# LANCASTER - GENERAL PLAN



### LANCASTER – BIRD’S EYE VIEW



# LANCASTER – GENERAL PLAN AND AERIAL MAP OVERLAY

