



WARSAW FLOOD DAMAGE REDUCTION PROJECT



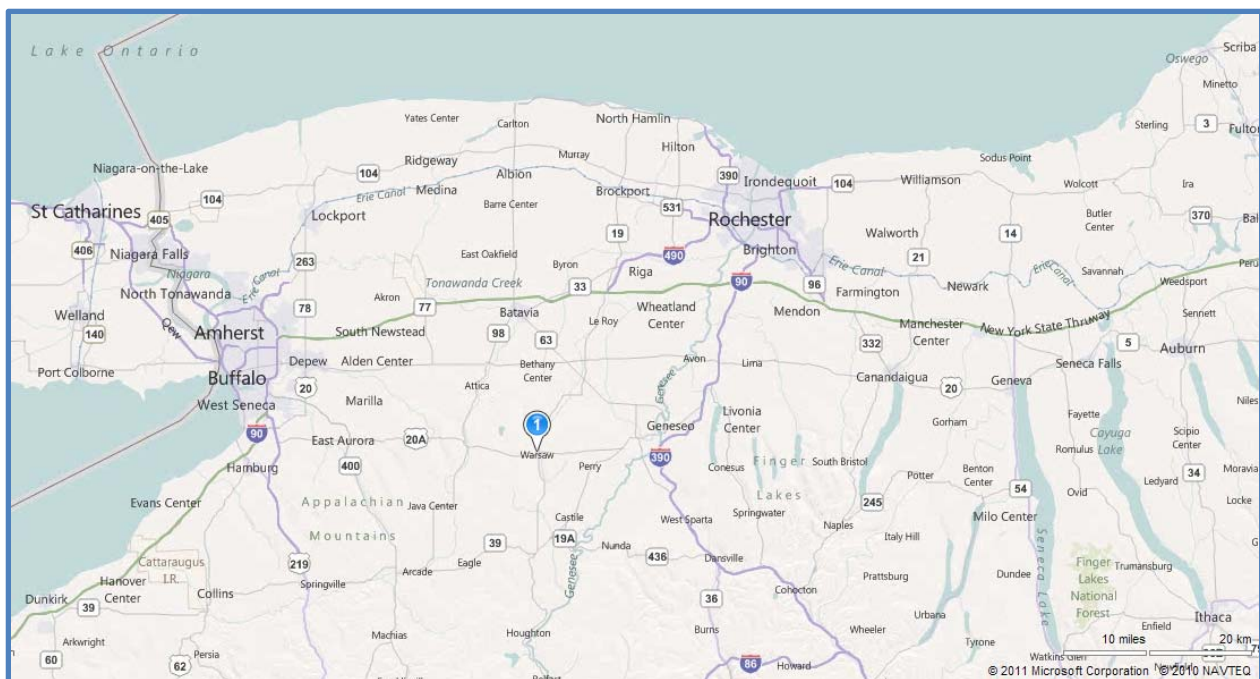
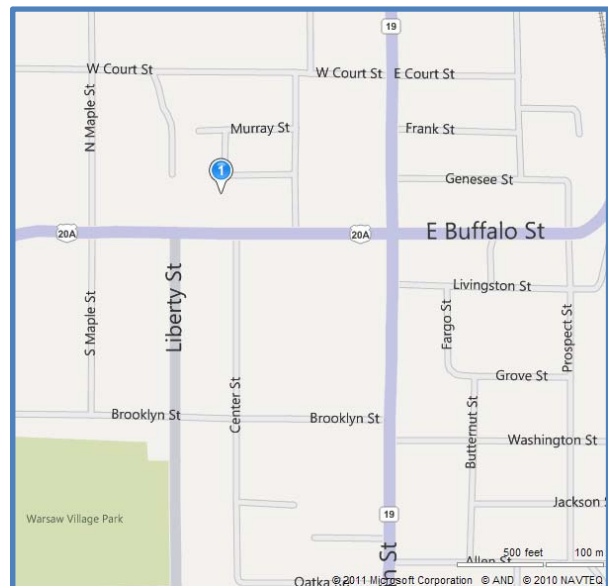
*Department of
Environmental Conservation*

Operated and Maintained by: The Village of Warsaw

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

PROJECT LOCATION

The project is located on Oatka Creek, within the Village of Warsaw, Wyoming County, New York. The project extends 2,800 feet with the upstream limit of the project being 200 feet downstream of NYS Route 19 near the confluence with Crystal Brook and the downstream limit located 900 feet downstream of West Court Street.



PROJECT DESCRIPTION

The project was constructed between 1966 and 1968 and was designed to eliminate damage caused by a discharge of 4,500 c.f.s. during a 30-year flood and reduce damage from higher discharges. Construction included a widening and deepening of the channel, installation of crib retaining walls, bridge protection and a drop structure to dissipate the energy at the upstream end of the project. The channel width varies from a minimum of 35 feet to a maximum of 70 feet.

Improved bank protection was included as part of the project. Ramps to access to the channel bottom were installed at Stations 2+86 and 13+12 at the request of local interests. Two power lines cross the channel.

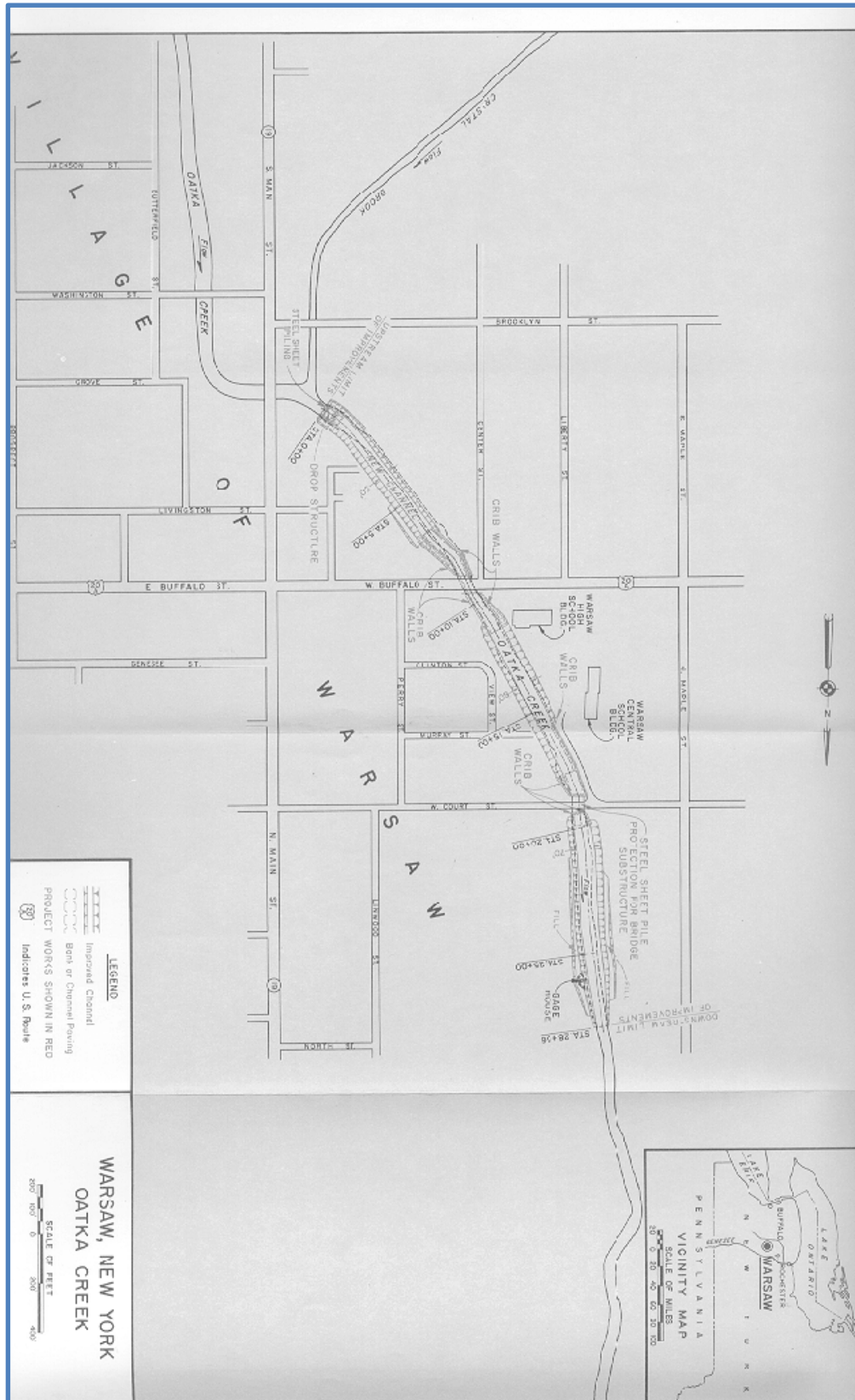
AUTHORIZATION

The project was authorized by the Chief of Engineers pursuant to Section 205, Public Law 858, 80th Congress, as amended.

CONSTRUCTION

Contract operations for construction of the improvements were initiated on October 18th, 1966 and were completed in July 1968. The total Federal costs were \$558,317 and non-Federal costs are estimated at \$141,000 for lands and relocations.

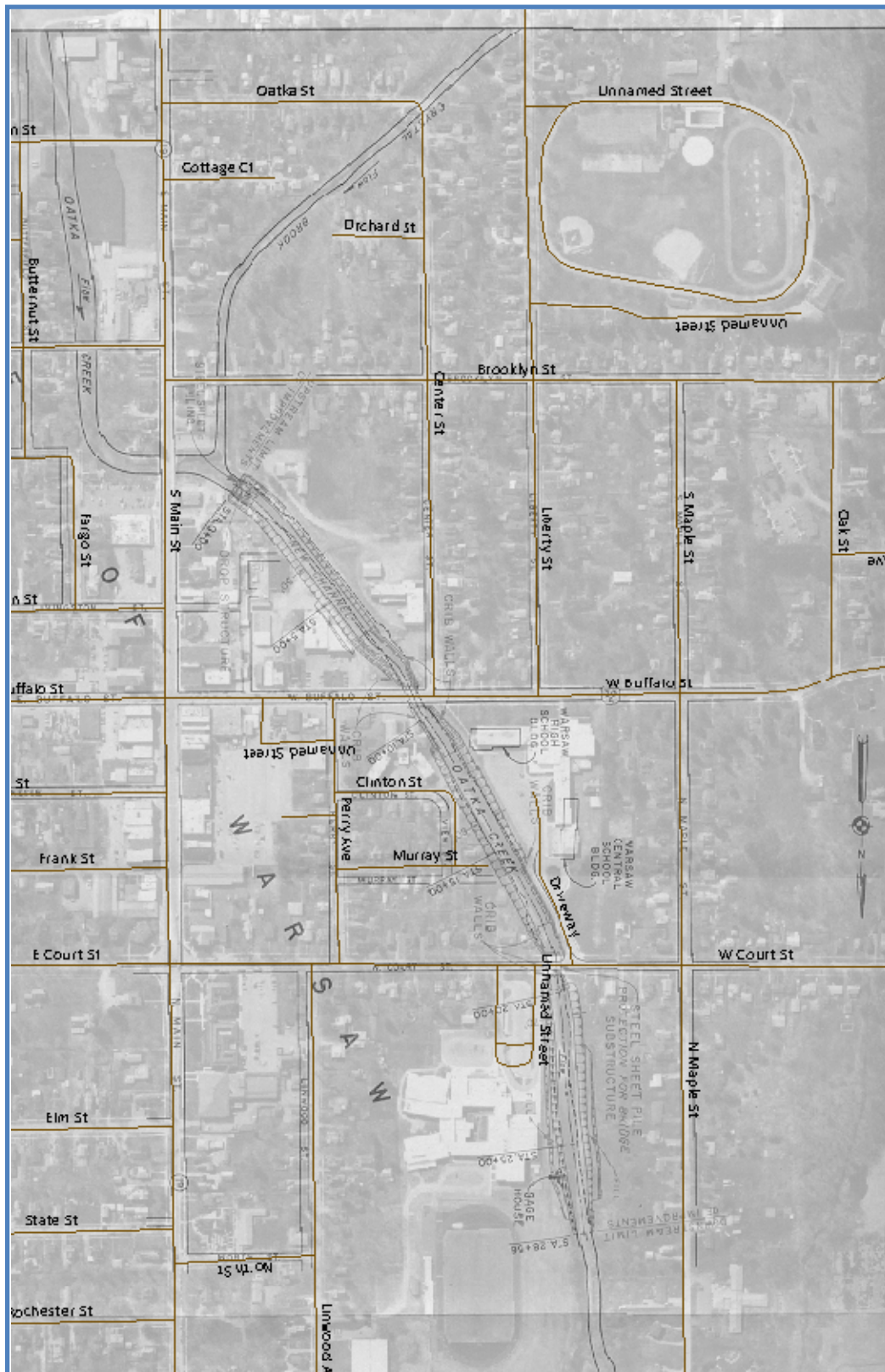
WARSAW – GENERAL PLAN



WARSAW – BIRD’S EYE VIEW



WARSAW – GENERAL PLAN AND AERIAL MAP OVERLAY



Reference

Operation and Maintenance Manual. Local Flood Protection Project on Oatka Creek at Warsaw, New York. August 1968.