

# NORTH CHAUTAUQUA COUNTY REGIONAL WATER SYSTEM MAP AND PLAN—AMENDMENT #3



Prepared By:

**CPL**

**1279 NORTH MAIN STREET  
JAMESTOWN, NY 14701**

*APRIL 2024*

## **Summary**

This amendment to the “*North Chautauqua County Regional Water Supply System Implementation Plan – Amended July 2019*” shall be known as Amendment No. 3 dated April 2024.

## **8.0 Phase 3**

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### **8.1 Proposed Project Map**

Details of the proposed project are shown in the Proposed Project map, which is attached. The proposed North Chautauqua County Regional Water District map and description are included in Appendix R of the original report dated May 2015.

### **8.2 Project Description**

The following provides a summary of the scope of the capital project, which is intended to provide critical system improvements that will enhance system reliability and redundancy:

#### **8.2.1 Route 20 Water Main (Portland)**

The work includes the replacement of up to 6,300 linear feet of the existing 6-inch water main along NYS Route 5 in the Town of Portland between the Village of Brocton and the Town of Pomfret. The existing water main is undersized, and the replacement will enable the supply of water to the Town of Pomfret. The new 12-inch water main will also enhance the redundancy of the system by permitting flow from the Town of Pomfret under emergency conditions.

#### **8.2.2 Williams Street Water Main (Dunkirk)**

The work includes the installation of approximately 2,100 linear feet of new 8-inch water along Williams Street between South Roberts Road and Bennett Road. The new main will provide a critical interconnection in the system, allowing water to flow between the existing services areas should their regular supplies be interrupted.

#### **8.2.3 Route 60 Water Main (Pomfret & Dunkirk)**

The work includes the installation of approximately 3,500 linear feet of 12-inch water main along Bennett Road in the Towns of Pomfret and Dunkirk. The new main will provide a critical and redundant connection between the Town of Pomfret and Dunkirk systems, which currently only have a single source of supply.

#### **8.2.4 Route 5 Water Main (Dunkirk)**

The work includes the replacement of up to 4,500 linear feet of the existing 8-inch water main along NYS Route 5 in the Town of Dunkirk between the City of Dunkirk and the Town of Sheridan. The existing water main is undersized, and the new 12-inch water main will also enhance the redundancy of the system.

### 8.2.5 Route 5 Water Main (Portland)

The work includes the installation of approximately 6,600 linear feet of new 12-inch water along NYS Route 5 in the Town of Portland. The new main will provide an interconnection with the supply from the Village of Westfield, allowing for emergency supply between the systems.

### 8.2.6 Master Meters

New master meter pits will be installed at all municipal boundaries and at the boundary of the North County Industrial Water District. The master meters will be used for billing purposes, allowing the NCCWD to bill the participating municipalities directly. The new master meter will also enhance the ability to track and identify water losses in the system.

## 8.3 Project Cost

Table 8.3.1 below identifies the estimated costs associated with the proposed project construction. This includes capital costs for upgrades, improvements, and the installation of new transmission lines between communities to develop the regional system.

**Table 8.3.1 – Proposed Project Capital Costs**

Description	Total Estimated Cost
West Side Tank & Pump Station	\$1,050,000
West Side Transmission Main	\$246,000
Dunkirk Contribution	\$1,503,000
Village of Brocton Transmission	\$1,141,000
East Side Transmission Main	\$628,000
Master Meters	\$705,000
Soft Costs (25%) & Contingencies (30%)	\$2,900,150
<b>TOTAL COSTS (Rounded)</b>	<b>\$8,200,000</b>

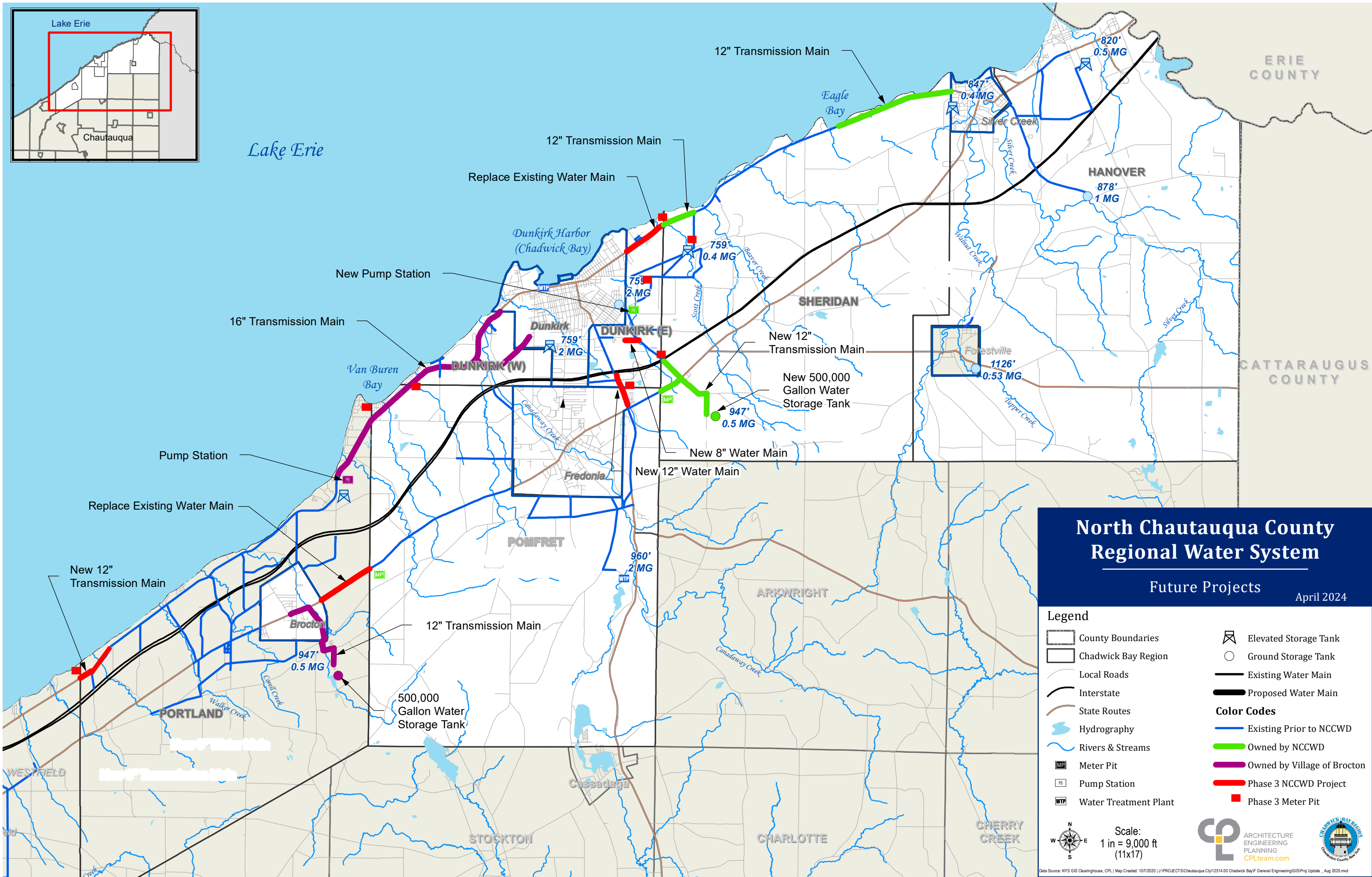
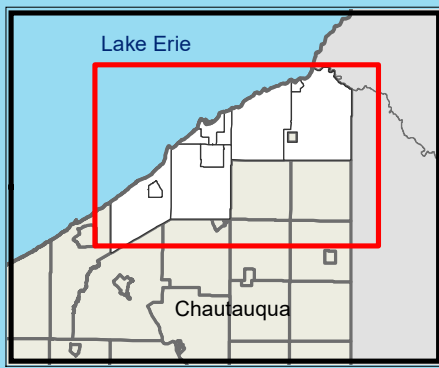
Table 8.3.2 summarizes the total project construction capital costs, anticipated grants, bonding and the expected first year payment for the District.

**Table 8.3.2 – Proposed Project Financial Summary**

Total Capital Cost	Grants & Contributions <sup>1</sup>	Net Bond <sup>2</sup>	Annual District Payment
\$8,200,000	\$4,920,000	\$3,280,000	\$167,344

<sup>1</sup> Assumes a WIIA Grant through the NYSEFC

<sup>2</sup> Financing will include 3% interest 30-year loan through the NYSEFC



# North Chautauqua County Regional Water System

Future Projects  
April 2024

- Legend**
- County Boundaries
  - Chadwick Bay Region
  - Local Roads
  - Interstate
  - State Routes
  - Hydrography
  - Rivers & Streams
  - Meter Pit
  - Pump Station
  - Water Treatment Plant
  - Elevated Storage Tank
  - Ground Storage Tank
  - Existing Water Main
  - Proposed Water Main
- Color Codes**
- Existing Prior to NCCWD
  - Owned by NCCWD
  - Owned by Village of Brocton
  - Phase 3 NCCWD Project
  - Phase 3 Meter Pit

Scale: 1 in = 9,000 ft (11x17)

ARCHITECTURE ENGINEERING PLANNING CPLteam.com

CHADWICK BAY REGION

Data Source: NYS GIS Clearinghouse, CPL | Map Created: 10/7/2020 | I:\PROJECTS\Chautauqua Cty\12514.00 Chadwick Bay\Final Engineering\GIS\Proj Update\_Aug 2020.mxd