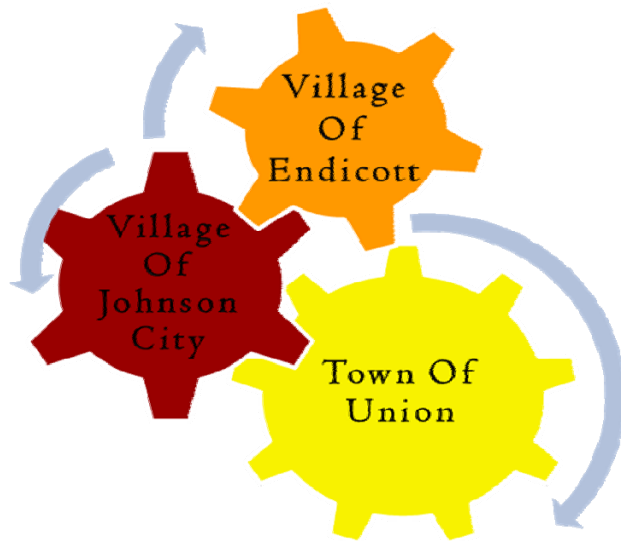


Goals & Objectives

Chapter 6



Infrastructure

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Infrastructure and Utilities

6

Infrastructure development must take advantage of existing and planned utilities in order to minimize the cost of infrastructure projects. New development cannot take place without the provision of adequate infrastructure such as utilities and roads. The existing infrastructure must be upgraded on a regular and routine basis. The development of new residential areas must, by necessity, be timed to coincide with the upgrade of the existing infrastructure

Objectives – Infrastructure

Objective A. Maintain existing infrastructure (roads and utilities such as sewer, water, storm water, electric, gas, telephone, and cable) (See **Map 1** Town of Union Water Supply System and **Map 2** Town of Union Sanitary Sewer System) to meet present and future needs of the community.

a. Capital Improvements

Policies

- a. Develop system of prioritizing street reconstruction and repair;
- b. Develop a five-year and ten-year capital improvements program for existing street and infrastructure improvements and assess its impact on the local tax base;
- c. Initiate a regular and rotating plan to inspect Town streets and schedule needed street repair and maintenance (i.e. cleaning);
- d. Maintain a sufficient number of inspectors to oversee capital construction projects for street and infrastructure improvements;
- e. Maintain the infrastructure at a level needed to continue adequate service to abutting residences;
- f. Correct existing infrastructure deficiencies within residential neighborhoods;
- g. Develop long-range capital improvement program for proposed road improvements and utility extensions;
- h. Provide sufficient additional capacity to allow for further extension of the utilities when extending or replacing existing utilities;
- i. Encourage the placement of electric, cable television and telephone services underground;
- j. Establish Capital Improvement Program and budget for replacement of defective and deficient systems;

- k. Provide sanitary sewers where lacking and replace inadequate systems to handle industrial uses;
- l. Provide capacity for sewage treatment of industrial waste and expansion of sanitary sewer lines;
- m. Provide water services where lacking and replace inadequate systems to handle industrial uses including adequate pressure for fire sprinklers;
- n. Make necessary road improvements for truck traffic;
- o. Maintain streets in good condition, at a width in accordance with the street's functional classification;
- p. Provide storm drainage systems where lacking and replace inadequate systems;
- q. Provide curbs and gutters where necessary to control storm drainage within industrial sites;
- r. Environmental deficiencies should be remedied through an active program of construction of floodwalls, levees, storm drainage systems and similar projects;
- s. Plan road improvements necessary to handle volume of projected traffic based on BMTS data;
- t. Obtain necessary easements for road and utility expansions in anticipation of road improvements;
- u. Develop and adopt town-wide standard specifications for street construction based on the functional classification and subsurface conditions;
- v. Provide necessary utility upgrades under the road prior to resurfacing;
- w. Improve capacity at municipal sewage treatment plants to allow additional extension of services.

b. Land Use/Ordinances

Policies

- a. Investigate townwide standards for sanitary sewer, storm sewer, and water main sizes, placement, and types for all developments. They should be of such type that they can be maintained by existing or proposed municipal equipment;
- b. Build storm sewers, curbs, and gutters in a sequential manner in order to provide for proper storm water management and finished road surfacing;
- c. Implement proper erosion control measures and other corrective actions in order to allow and accept additional runoff from upland development;
- d. Design storm drainage systems to accept storm water from future upstream development and not to impact existing and future downstream development.

c. Services**Policies**

- a. Coordinate capital street projects to reduce conflicts in detouring traffic;
- b. Provide timetable for capital street projects to emergency care providers in order for such agencies to determine alternative routes;
- c. Designate truck routes and make necessary improvements to streets to accommodate truck traffic;
- d. Provide wider traveling lanes and turning radii for trucks;
- e. Provide turning lanes at heavily traveled intersections;
- f. Provide laterals from new sanitary sewer and water trunk lines to front property lines of existing and proposed lots;
- g. Provide for maintenance of storm sewer systems on a routine basis to assure that open and enclosed systems can function at or near design capacity.

Objective B. Designate areas of the Town where active development, beyond the scope of this plan, should be deferred.

a. Capital Improvements**Policies**

- a. Provide an additional river crossing to Vestal;
- b. Design sanitary sewer, storm sewer, and water lines to accommodate flow from future upland development;
- c. Identify areas suitable for development but currently unserved by public utilities;
- d. Extension of utility lines should be phased to encourage full use of existing systems;
- e. Allow development only when utilities and roads can support the additional use with no further improvements (unless a planned municipal capital improvement) or intrusions into existing residential areas;
- f. Design enclosed components of a storm water runoff system to help manage storm water, not just dispose of it.

b. Land Use/Ordinances**Policies**

- a. Design enclosed components of a storm water runoff system to help manage storm water, not just dispose of it;

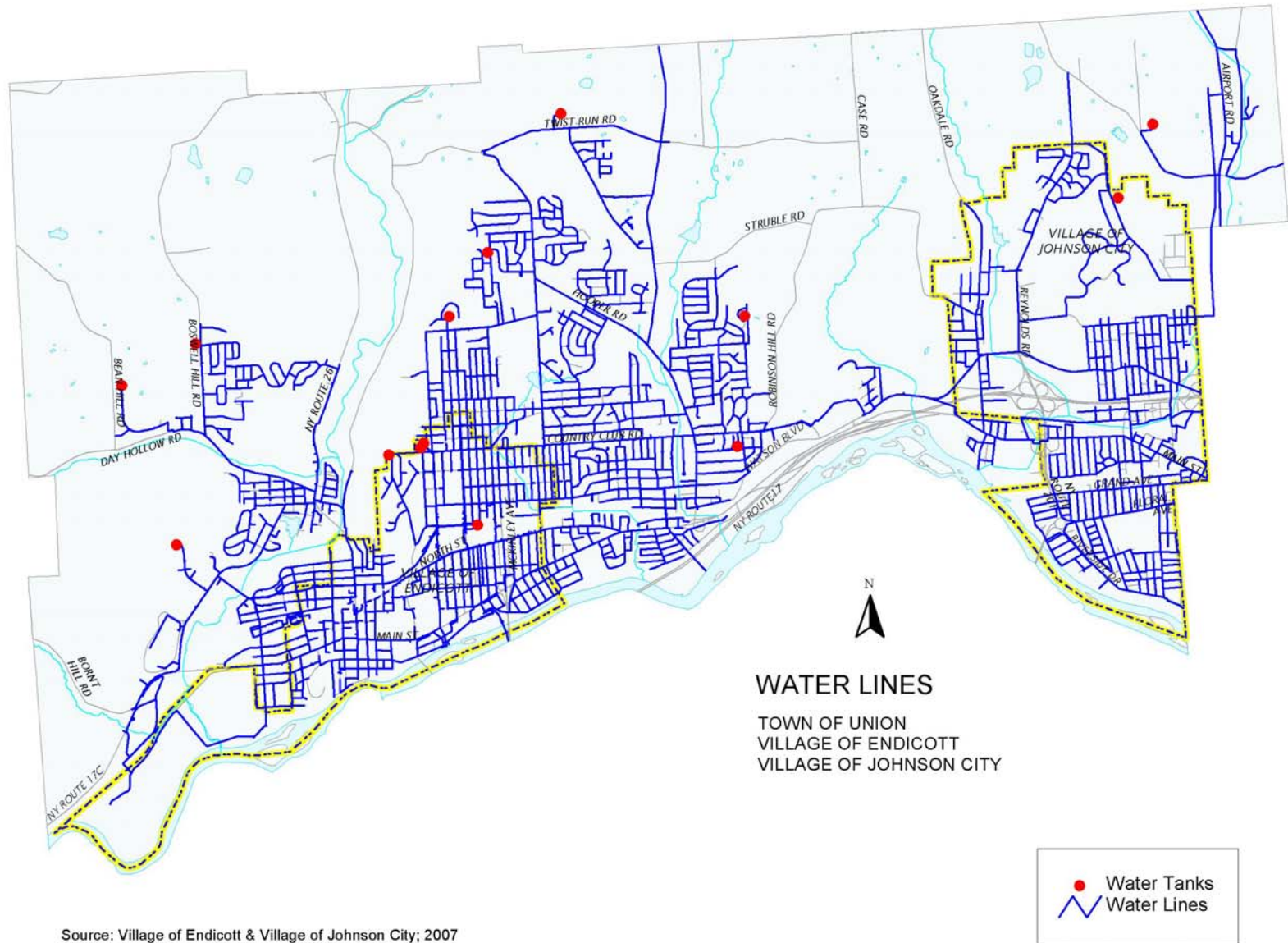
- b. New subdivision development must be connected to existing public water and sewer lines or to extensions of such lines where already planned;
- c. Design new storm sewer systems to reduce pollutant discharge into ground and surface water;
- d. Design and install energy dissipaters and other outfall protection where enclosed storm water drains discharge onto erodible soils;
- e. For new development, use the best current technology to minimize off-site storm water runoff, increase on-site infiltration, and minimize off-site discharge of pollutants to ground and surface water.

c. Assistance

Policies

- a. Extend sanitary sewer, storm sewer, and water trunk lines only in areas where future development should be encouraged.

Map 1 ~Town Of Union Water Supply System



Source: Village of Endicott & Village of Johnson City; 2007

Map 2 ~Town Of Union Sanitary Sewer System

