

CHAPTER 6 COMMUNITY FACILITIES AND SERVICES

Introduction

The town's community facilities and services support existing and planned development and contribute to the health, safety, education, and general welfare of Woodstock residents. The responsibility for providing these services is divided between the town and Shenandoah County. The town provides public utility services, police protection, recreational and open space facilities. Shenandoah County provides public education, a library, solid waste disposal, courts, social services, and recreational and open space facilities. The volunteer fire and rescue services are a shared responsibility of both the town and the county.

Basic town services and the facilities that support them are often taken for granted by citizens, but are important to take into account when planning for the town's future. The Town of Woodstock has made and continues to make large capital investments to create a safe and reliable water supply and a wastewater treatment system that are cost effective and environmentally sound. This section of the plan discusses current and projected levels of service, and determines the town's role in the delivery of those services.

A map of the town's community facilities is contained at the end of this chapter.

Town Facilities

The Woodstock Municipal Building is located in the center of town at 135 N. Main Street. It provides administrative offices for the Town Manager, Treasurer, and other town officials. Meeting facilities for the Town Council, Planning Commission and other public groups are located in the building.

A public works maintenance facility is located at 200 Moose Road (the southeast corner of Moose Road and N. Water Street). This facility houses the Public Works Department's offices, serves as a storage and repair site for equipment, and stocks supplies necessary to maintain the town's water and sewer distribution systems and street system.

The capacity and structure of the Municipal Building, the Police Station and the Public Works Facility are in question for the current and future needs of the town. Therefore, the town intends to undertake a needs study to determine the actual space needs for its operations.

Water Supply

The Town of Woodstock is committed to providing its citizens with safe and dependable supply of drinking water. The quality of the drinking water meets all of the state and federal requirements administered by the Virginia Department of Health. Information regarding the town's current water system and plans for meeting future water demand is described below.

Water Use - town water use for calendar year 2006 averaged 0.750 million gallons per day (MGD) with 2,891 water service customers being served. This water use figure is based on water service to the 1,568 acres of developed land within the town and about 300 customers in the county. Additional water use will occur as the undeveloped land within the town and the urban growth area are built-out. Based on historical usage rate of about 480 gal/acre of developed area, the town at build-out could use 3.9 MGD of water.

Water Source – Drinking water for the Town of Woodstock comes from the North Fork of the Shenandoah River. The raw water intake consists of three 16-inch ductile iron pipes that transport raw water through a vertical traveling screen to a concrete wet well for delivery to the water treatment plant.

A source water assessment for the Town of Woodstock was completed by the Virginia Department of Health on September 4, 2002. The assessment determined that the town's raw water source, the North Fork of the Shenandoah River, may be susceptible to contamination because it is surface water exposed to a wide variety of contaminants. However, no water quality violations were reported in 2006 and the water is being constantly monitored for various contaminants so the town can continue delivering a dependable and safe supply of drinking water.

Treatment – The town's water supply quality is good and the treated water meets or exceeds state and federal drinking water quality standards. The Virginia Department of Health has established a design capacity for the town's water treatment plant at 2.016 million gallons per day. Treatment at the Woodstock Water Treatment Plant is achieved by rapid mix, flocculation, sedimentation, and filtration for turbidity removal; chlorination for disinfection; and fluorination to aid in reducing tooth decay. Water is pumped from the water treatment plant via three high service pumps to the storage and distribution system.

Storage and Distribution - Town and county households are provided water service with some customers as far as ten miles to the west of town. The town's 2,622,500 gallon storage capacity is divided between a water tower located off of Ox Road (400,000 gallons), a storage tank located at the western end of the water line near the town's reservoir (10,000 gallons), and the newest storage tank located on West North Street and I-81 (2,000,000 gallons). The town also has clear well storage of 212,500 gallons under the water treatment plant. A reservoir located approximately ten miles west of town in the George Washington National Forest served as a water collection facility until 1979, but is no longer used.

A map of the town's water system is contained at the end of this chapter.

Wastewater Treatment

A major responsibility of the town government is to provide a dependable and reliable wastewater collection, conveyance, and treatment system. Information regarding the town's current wastewater system and plans for meeting future service demand is described below.

Wastewater Use - Town sewer use for calendar year 2006 averaged a total of 0.48 million gallons per day (MGD) with 2,548 sewer service customers being served. The current sewer use figure is based on sewer service to the 1,568 acres of developed land within the town. Additional sewer use will occur in the undeveloped land within the town and in the urban growth area as build-out continues. At the historical sewer usage rate of 306 gal/acre of developed area, the town at build-out could use 2.5 MGD.

Treatment - The town owns and operated a 1,000,000 gallon per day wastewater treatment facility located east of town in Shenandoah County. At present the plant treats an average of 480,000 gallons per day of wastewater with more than 2,548 households being provided with sewer service. A few private homes in Woodstock rely on septic tank systems for the disposal of sewage, but could eventually be connected to the town's system.

In order to meet future wastewater demands and to meet the requirements of the Chesapeake Bay clean-up actions by the state, the town has undertaken a major upgrade project at its wastewater treatment plant. Among other things, this project will expand the capacity of the plant to 2.0 MGD and will install enhanced nutrient removal (ENR). Construction is scheduled to begin in the first half 2007 and be completed in late 2009.

Collection - The town owns, operates, and maintains a network of wastewater collection pipes ranging in size up to 24-inch diameter. To aid in maintaining its wastewater collection system, the town has adopted an ongoing inflow and infiltration (I/I) abatement program. Town staff regularly inspects the sewers, identify problems, and implement corrective actions.

Grease Abatement – The town has an ongoing program to prevent grease, oil, and sand from entering its sewer system through regular inspections of grease traps at all businesses connected to the sewer system. Grease is emitted from food processing facilities when grease traps and interceptors are not maintained in the proper manner. It exits the facility's sewer lateral and empties into the collection system, solidifying and causing costly sewer blockages and treatment problems at the Wastewater Treatment Facility.

It is the town's mission to eliminate grease that is deposited into the collection system.

A map of the town's wastewater system is contained at the end of this chapter.

Stormwater Management

In the past, stormwater management was minimally regulated and clean-up was often left to those downstream. Today, state laws provide landowners or developers the right to develop their property in a reasonable manner providing they do not cause a drainage inconvenience or damage to properties downstream. To address this state requirement, the town created a Stormwater Management program to help protect natural resources and prevent property damage. The Town of Woodstock's Stormwater Management Program and Drainage Manual was developed in compliance with the Virginia Stormwater Management Program and the federally mandated Soil and Water Conservation Act.

Land-clearing and soil-movement activities in residential, commercial, industrial and institutional land development projects are subject to the requirements of the town's Stormwater Management programs.

Policies and Programs - The Town Planner is responsible for review, approval, and enforcement of all new storm drainage designs associated with new developments. The policy and program tools the town uses to accomplish this consist of the State's Erosion and Sediment (E&S) Control Handbook, the town's Stormwater Management Program and Drainage Manual, and the town's Zoning Ordinances. The town's Department of Public Works is responsible for the physical aspects of operating and maintaining the town's existing storm water system. Principally, this effort involves the routine inspection, cleaning, and maintenance associated with pipes, culverts, inlets, and selected drainage swales as well as making any structural repairs, modifications, or improvements that may be required.

Solid Waste Management

The Town of Woodstock currently provides weekly municipal collection services to all single family residences. A fee will be assessed for this service after January 1, 2008. Because the town does not have equipment to handle dumpsters, multiple unit residential complexes and non-residential establishments contract with private companies for refuse collection. During the semi-annual "Clean-Up Weeks," the refuse crew picks up leaves, tree limbs and other large items on a daily basis. This program also has an educational component as the town communicates which materials are and are not accepted.

Shenandoah County runs a recycling program consisting of dedicated bins for voluntary drop-offs by citizens. A recycling collection center for Woodstock citizens has been established at the Public Works Facility on Moose Road. This site is open seven days a week. The county also owns and operates the landfill which is located near Edinburg, approximately 2.5 miles to the south of Woodstock. The facility is estimated to have operational life until the year 2032. The town is a customer of the landfill and in 2006 Woodstock contributed 700.8 tons of sludge and 1,478.3 tons of trash to it.

Public Safety

Police Department – The Police Chief oversees a department of sworn officers consisting of supervisors, investigators, patrolmen and school resource officers. The Police Department operates from its headquarters at 134 North Muhlenberg Street, directly behind the Municipal Building. The Department has a close working relationship with the Shenandoah County Sheriff's Department and the Virginia State Police, and each provides assistance to the other as needed within the service area of the town. The Police Department uses the services of the Shenandoah County courts and jail as needed.

Fire Department - The Shenandoah County Department of Fire and Rescue provides support and staffing to the Woodstock Volunteer Fire Department. The department is committed to providing a safe community, protecting the life and welfare for all people residing or visiting the town and the County.

The Woodstock Volunteer Fire Department is located on W. Court Street between Main Street and Muhlenberg Street. The station is operated and staffed by both paid and volunteer staffs who serve the town and surrounding county area. The station is funded by the town, county and fundraising from other sources. They responded to 519 calls in 2006.

Rescue Squad - The Woodstock Rescue Squad also comes under the oversight of the Shenandoah County Department of Fire and Rescue. This all-volunteer organization is funded by the town, county, and fundraising from other sources. The squad is located on Reservoir Road near Central High School in a facility that was remodeled and upgraded in 2004. The squad responded to 2,055 calls in 2006.

Parks and Recreation

The Parks and Recreation System has a significant effect on the quality of life enjoyed by town residents. Recreation facilities available to town residents are located in Woodstock

at the W.O. Riley, Riverview, and Fairview Parks; the elementary, middle, and high schools; and the Shenandoah County Fairgrounds. The Shenandoah County Park, in nearby Maurertown, provides additional recreational opportunities. Additionally, a new state park, the Seven Bends State Park, has been created east of town with access to the park being provided along E. Reservoir Road.

The public parks do not provide facilities for indoor recreation. The public schools in Woodstock have gymnasiums, athletic fields, and playgrounds that are available for public use when school activities are not scheduled. In addition, the Shenandoah County Park, located north of Woodstock near Maurertown, contains a picnic shelter, tennis courts, volleyball courts, basketball courts, three softball fields, a playground, and a Civil War interpretive plaque. The Shenandoah County Parks and Recreation Department sponsors a variety of programs year-round for children, adults and senior citizens.

Facilities provided by Shenandoah County

The citizens of Woodstock also enjoy the following services and institutions which are provided for them by the Shenandoah County government. Additional information can be found on the county's web site at www.shenandoahcountyva.us.

Education – Shenandoah County School Board provides comprehensive elementary, middle and secondary education programs to the children of Shenandoah County and its six towns, including Woodstock. W.W. Robinson Elementary, Peter Muhlenberg Middle School, and Central High School are located in the town of Woodstock.

Cultural - The Woodstock Museum is located on S. Muhlenberg Street and is open to visitors May through September. The museum contains various displays that illustrate life in the Valley, and Woodstock in particular, since the founding of Woodstock. Collections include a display of Schmitt's drug store, a farm kitchen, rooms furnished of handmade furniture, and various tools and machinery. The Old Wickham House, located at the end of Lawyer's Row, was donated to the museum by Dick Wickham, a long-time Woodstock resident, and serves as a display of early life in Woodstock. The house

exhibits many middle 18th and early 19th century features. It is typical of a number of other early houses in town in that it is an enlargement and modernization of an original log building.

Library – Town citizens can use the Shenandoah County Library System, which consists of the County Library and five community libraries. The County Library is located near the center of the county just off Interstate 81 in Edinburg and is a full-service library that is open 52 hours each week.

Woodstock also has its own library, The Woodstock Library, which is located at 134 N. Church Street. This private facility is funded through an endowment.

Health Department - The Shenandoah County office of the Virginia Department of Health is located at the Shenandoah County Government Complex in Woodstock and provides the following services for residents of the town and county:

- Children’s Specialty Services (diagnosis and treatment of various conditions in children to age 21)
- Communicable Disease Control (testing and immunization)
- Environmental health (food service inspections, water system recommendations, sewage disposal regulation)
- Health Education
- Medical and Nursing Services (blood pressure and cholesterol screening, family planning, maternity, patient education, well-child care to age 5)
- Nutritional Services (supplemental food programs for women, infants and children, community education and nutritional counseling)
- Vital Records (birth certificates, death certificates)

Shenandoah County Social Services - The office of the Shenandoah County Department of Social Services is located at the Shenandoah County Government Complex in Woodstock. The many forms of assistance the Department provides to town and county residents can be grouped into two categories:

1. Applications which are processed for financial assistance in the form of food stamps; medical insurance for the elderly, families and children; fuel purchases in the winter; emergency prescriptions; temporary assistance for families; and assistance with rent.
2. Applications that involve the Department providing investigation and protective services for children and elderly or disabled; child day-care assistance; adoption reporting; home studies for the courts; and the referring of clients to other area resources.

Health Care

Most of the public health and medical facilities for Woodstock residents are provided by Shenandoah Memorial Hospital on S. Main Street. The hospital is owned by Valley Health Systems and is a 25-bed facility offering general surgical, intensive care, maternity, geriatrics, radiological, rehabilitative, counseling services, and a psychiatric ward. Other nearby Valley Health System hospitals include Winchester Medical Center (411 beds) and Warren Memorial Hospital in Front Royal (191 beds).

Six long-term care facilities, four assisted-living and two nursing homes are located in Woodstock.

Community Facilities Goals, Objectives and Strategies

This section states the manner and direction in which the Town of Woodstock would like to develop its community facilities.

Goal 1: To encourage a high quality of life for Woodstock citizens by providing community facilities, infrastructure and services that are efficient, cost-effective, and meet the needs of the citizens.

Objective 1 Continue to provide high quality public water service.

Strategy 1 Aggressively maintain the existing water system components through programs that emphasize repair, protection, system reliability, water quality, and water loss reduction.

Strategy 2 Continue to add water supply, treatment, distribution, and storage capacity as growth requires.

Strategy 3 Provide a second source of water through the development of a series of wells.

Strategy 4 Develop a Water Works Facilities Plan for the water system to provide a comprehensive assessment of the town's infrastructure and its ability to store and deliver the amount of water anticipated at full build-out.

Objective 2 Continue to provide dependable, environmentally sound, sanitary sewer service.

Strategy 1 Continue the town's wastewater system repair and maintenance programs that emphasize repair, preventive action, and reliability.

Strategy 2 Continue the town's abatement program addressing infiltration and inflow to the wastewater collection system.

Strategy 3 Continue and enhance the town's grease trap inspection program to eliminate grease, oil, and sand from the wastewater system.

Strategy 4 Develop a Wastewater Facilities Plan for the wastewater system to provide a comprehensive assessment of the town's infrastructure and its ability to collect and transport the amount of wastewater anticipated at full build-out.

Objective 3 Continue to improve the quality of stormwater runoff in and around the town.

Strategy 1 Develop and implement a public education and outreach program regarding the impacts of storm water discharges on streams.

Strategy 2 Detect and eliminate illicit discharges to the storm water system.

Strategy 3 Continue enforcement of the town's erosion and sediment control program.

Strategy 4 Maintain and improve programs to prevent pollution and practice good housekeeping in town operations.

Strategy 5 Develop a wetlands park on S. Water Street.

Strategy 6 Use sustainable design principals & concepts for town facilities

Objective 4 Provide quality and easily accessible services through well located and planned facilities that are designed to facilitate delivery of the town's mission.

Strategy 1 Perform a needs study to determine the town's current and future needs for building/shop space for town administration, public works and the police department.

Strategy 2 Perform a needs assessment to determine the most appropriate size, configuration, and location for new and/or replacement buildings and facilities to meet the future needs of the town.

Goal 2. Ensure public safety and encourage the provision of excellent health services for all people.

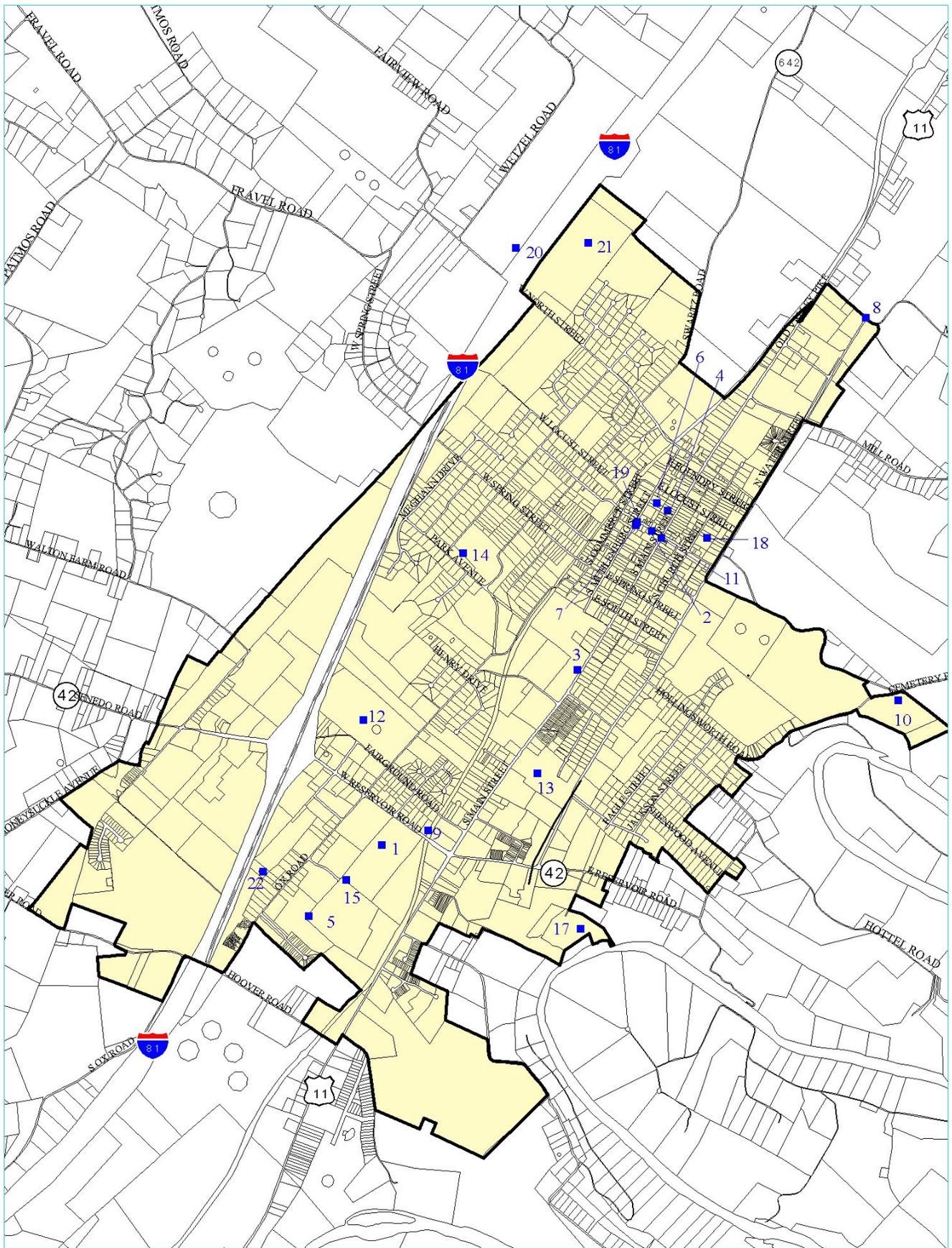
Objective 1 Coordinate and plan for increased emergency preparedness in the face of new national threats.

Strategy 1 In cooperation with federal, state, other local law enforcement and emergency preparedness agencies, and Shenandoah Memorial Hospital, provide for continual maintenance and updating of the town's local Emergency Operations Plan.

Community Facilities

(Refer to Map)

Item No	Facility Name
1	Central High School
2	Fire Department
3	Massanutten Military Academy
4	Municipal Building
5	Peter Muhlenberg Middle School
6	Police Department
7	Post Office
8	Public Works Facility
9	Rescue Squad
10	Riverview Park
11	Shenandoah County Courthouse
12	Shenandoah County Fairgrounds
13	Shenandoah Memorial Hospital
14	W.O. Riley Park
15	W.W. Robinson Elementary School
16	Wastewater Treatment Plant
17	Water Treatment Plant
18	Woodstock Library
19	Woodstock Museum
20	2 Million Gallon Water Storage Tank
21	Fairview Park
22	400,000 Gallon Water Storage Tank



Community Facilities
COMPREHENSIVE PLAN
 Town of Woodstock, VA July 1, 2007

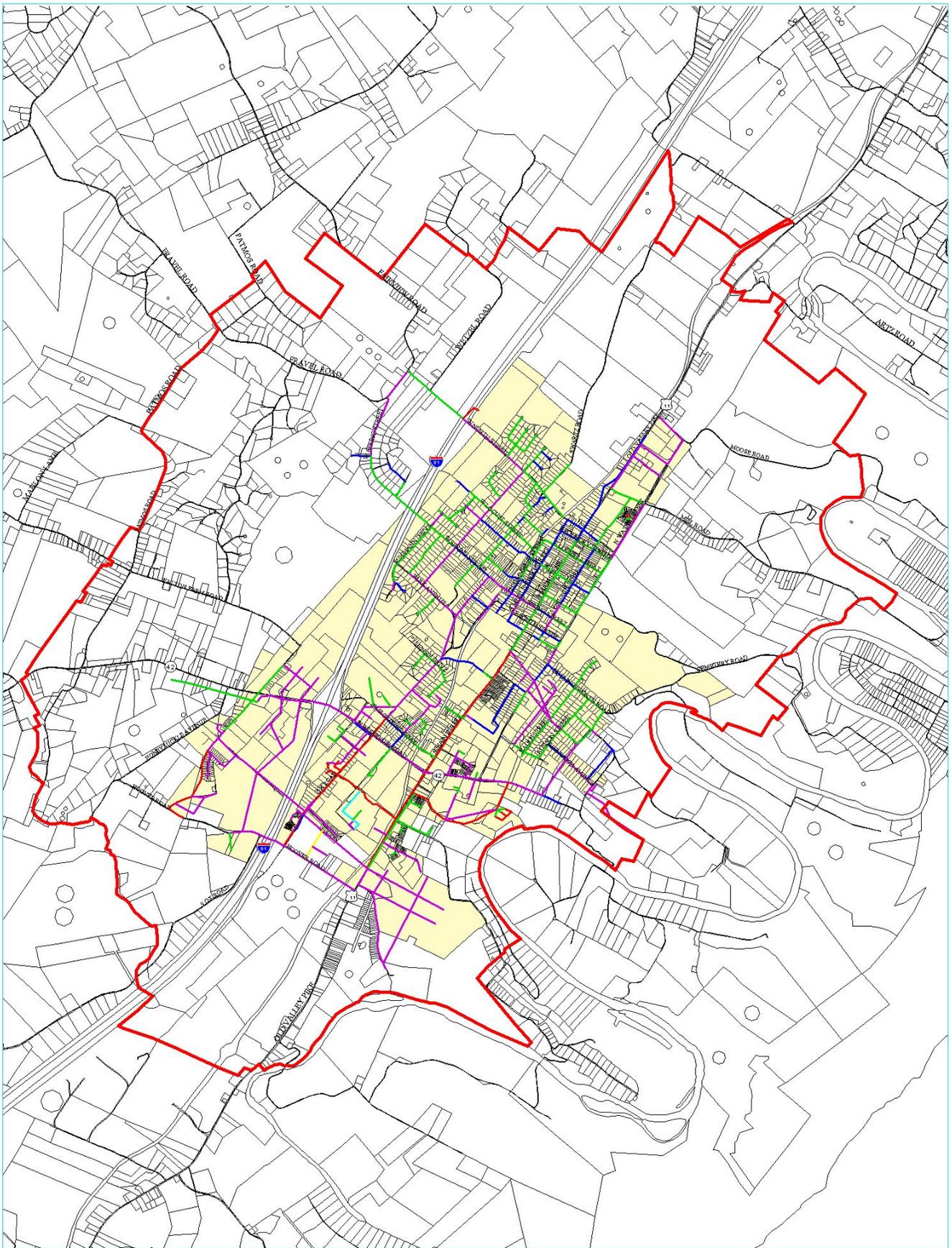
0 0.5 Miles




Map Data Provided by the Northern Shenandoah Valley Regional Commission

Legend

- Community Facility
- Woodstock Town Boundary
- Town of Woodstock



Water Distribution System

COMPREHENSIVE PLAN

Town of Woodstock, VA

July 1, 2007



0 0.5 Miles



Map Data Provided by the Northern Shenandoah Valley Regional Commission

Legend

Pipe Diameter

12"

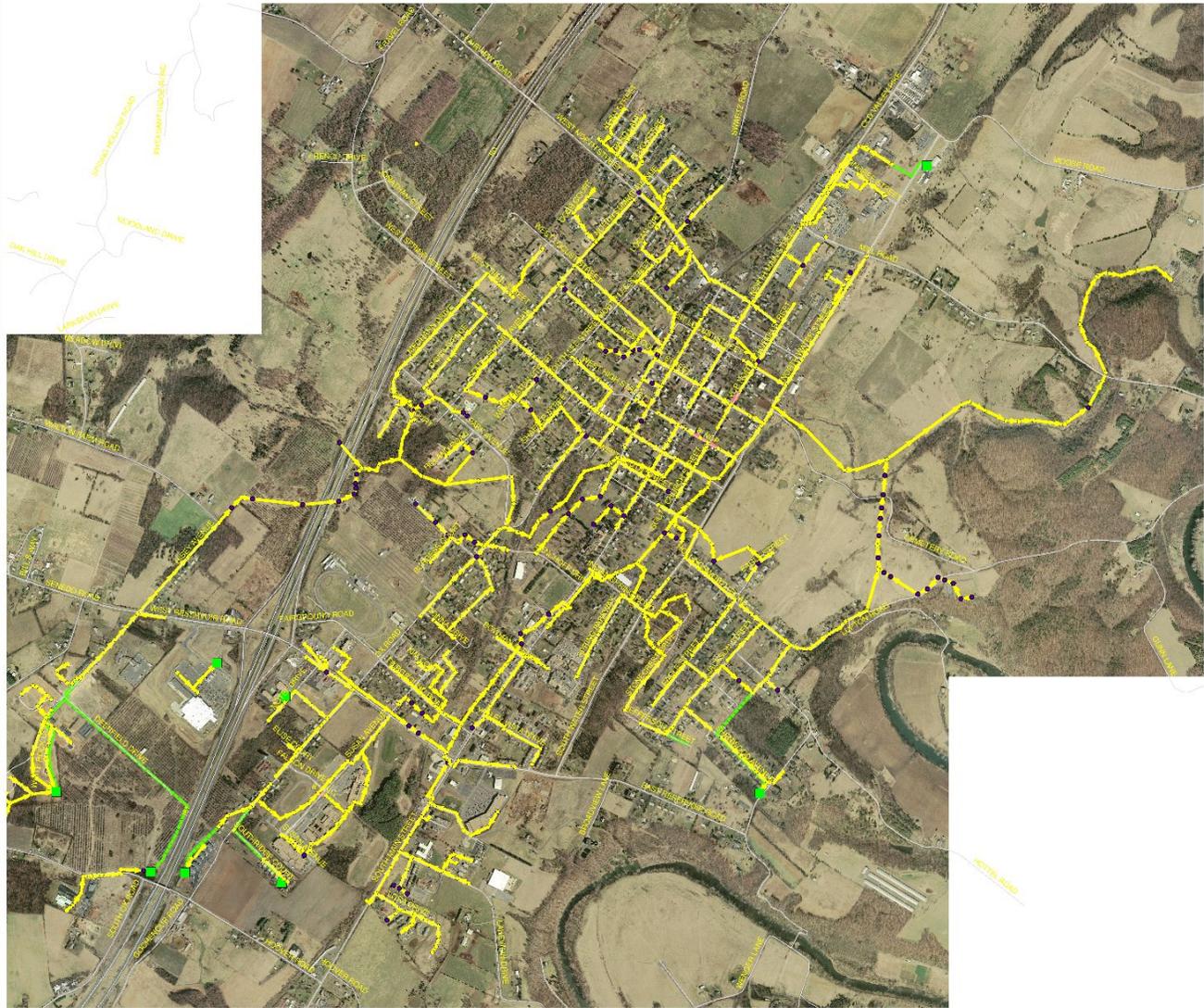
10"

8"

6"

4"

Town of Woodstock



Sanitary Sewer System COMPREHENSIVE PLAN

Town of Woodstock, VA

July 1, 2007



0 1,600 Feet



Map Data Provided by the Northern
Shenandoah Valley Regional Commission

Legend

- | | |
|---|---|
| ■ Pump Station | — Sewer |
| ● Manhole | — Breakover |
| ● CNL Manhole | - - - Force Main |