

## COMMUNITY FACILITIES

### INTRODUCTION

Community facilities and services in Shenandoah County are provided by the County, by other governmental agencies, and by private companies and organizations. County facilities and services include the administration building, court house and jail complex, the school system, the solid waste management system, the County Recreation Park, the Sheriff's Department, the VPI & SU Extension Service, and the Department of Social Services. Some of these services are provided in conjunction with the Commonwealth.

Public facilities were addressed in Part Four, pages 14 through 22 of the 1973 Shenandoah County Comprehensive Plan.

The towns provide general local government services and, in all but Toms Brook, their own police protection. In addition, they supply water and sewer facilities and services to most of the residents and businesses in the county that have public service. The Stoney Creek Sanitary District likewise provides water and sewer service to the Basye/Bryce Resort area, and the Toms Brook-Maurertown Service Authority provides service covering an area from Toms Brook to just north of Woodstock.

These systems are described in great detail as to their capacities, sources (for water), methods of treatment, and discharge points (for sewer) in the Shenandoah County Marketing Book, and are summarized in this section. The major effect of these facilities on the County's planning efforts lies in the location of the current and future service areas, and their ultimate capacities.

Private companies or organizations provide the other utilities (electricity, gas, telephone), own and operate the Shenandoah Memorial Hospital in Woodstock, and provide volunteer fire and rescue services, a sheltered workshop for the handicapped, and several recreational facilities.

Virginia Power serves five of the six incorporated towns and almost half of the County. The Potomac Edison Company serves the northern part of the County including the Town of Strasburg. The Shenandoah Valley Electric Cooperative--which receives power from Virginia Power's transmission system--serves the remaining portion of the County.

The Shenandoah Telephone Company provides the vast majority of the County with telephone service. Some customers on the edges of the County are also served by Centel or Contel.

Natural gas, LP gas, fuel oil and coal are all available in Shenandoah County through a variety of distributors.

## SCHOOLS

There were 5 elementary schools, 5 intermediate schools, and 3 high schools in Shenandoah County for the 1990-91 school year. They had a combined enrollment of almost 5,000 students in April 1991, with approximately 420 teachers.

Located in the Northern portion of the County are Sandy Hook Elementary, Strasburg Intermediate, and Strasburg High School in Strasburg. Toms Brook Elementary is in Toms Brook, and closed at the end of the school year. The Fort Valley Elementary School is located at Detrick, and may also be subject to closing in the future.

In the Central region of the County are the towns of Woodstock and Edinburg. W. W. Robinson Elementary, Woodstock Intermediate and Central High School are all located in Woodstock. Edinburg Intermediate is in Edinburg.

The towns of Mt. Jackson and New Market are in the Southern portion of the County. There are two schools in Mt. Jackson, Triplett Intermediate School and Triplett Business and Technical Institute. The Stonewall Jackson High School and Ashby Lee Elementary School are located off of the Shenandoah Caverns exit of I-81, between the towns. New Market Intermediate closed at the end of the 1990-91 school year.

Figure 7-A, on the following page, shows the location of the public schools in Shenandoah County. All of the schools except Fort Valley Elementary School are located in or near the six towns, along the I-81/Route 11 corridor.

A State population projection for Shenandoah County estimates enrollment could be 6,310 by 2000. To address this, the Shenandoah County School Board has presented a proposal to build three new intermediate schools, expand the Sandy Hook, W. W. Robinson, and Ashby Lee Elementary Schools and update and expand the three existing high schools. This proposal also standardizes the grades taught among the three school levels.

Table 7-A, page 7-4, shows the grade levels at each school, April 1991 enrollment, and projected enrollment as compiled by the School Board Staff. The projected enrollment figures are expected at the completion date of each new/upgraded facility.

**SHENANDOAH COUNTY  
VIRGINIA  
PUBLIC SCHOOL SYSTEM**

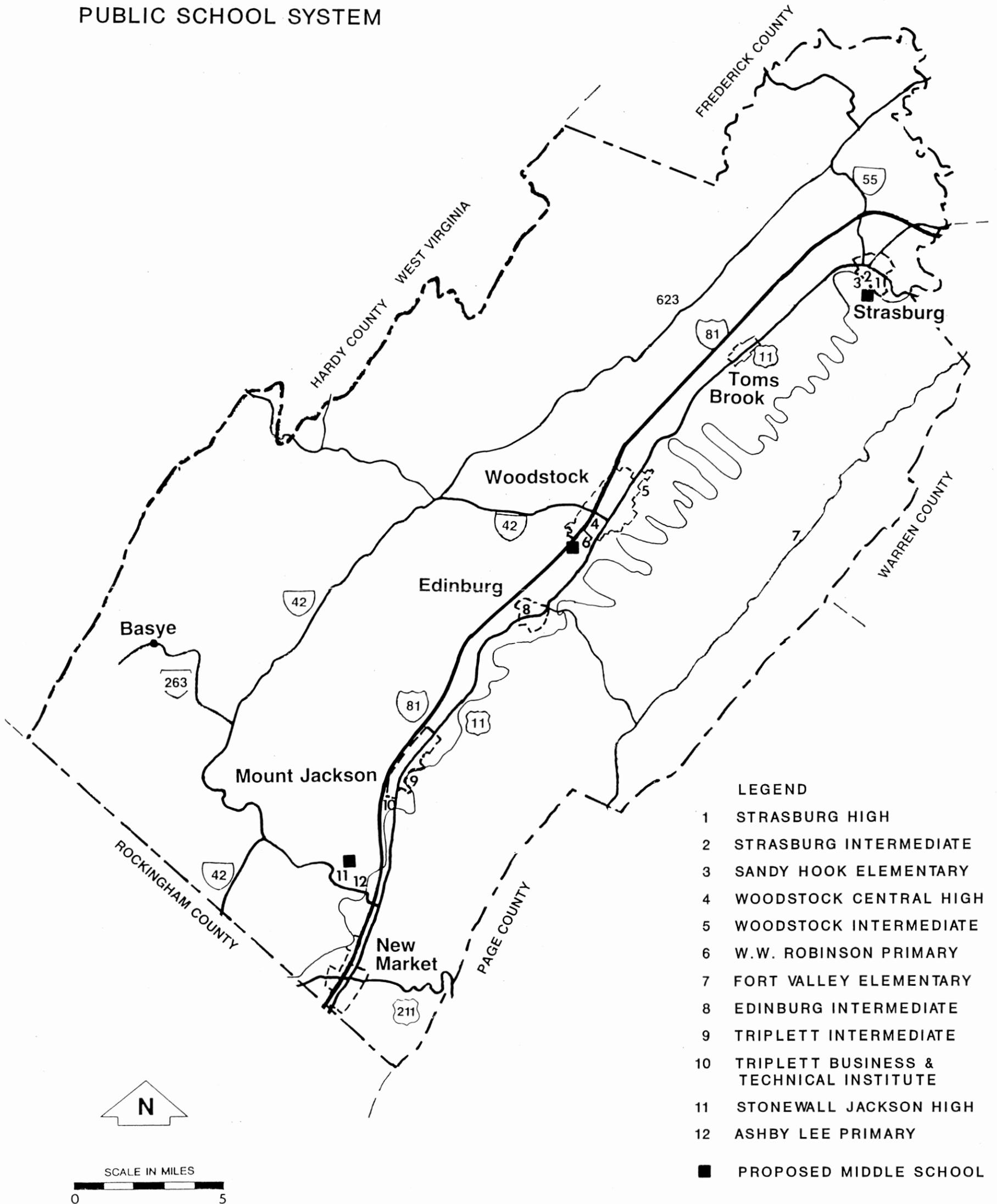


FIGURE 7-A

TABLE 7-A  
SHENANDOAH COUNTY SCHOOLS  
AS OF APRIL 30, 1991

<u>Name</u>	<u>Current Grades</u>	<u>Enrollment</u>		<u>Proj. Grades</u>	<u>Complete Date</u>
		<u>Current</u>	<u>Proj.</u>		
<b>Elementary:</b>					
Fort Valley	1-6	31	n/a	---	
Toms Brook *	K-4, S.E.	114	n/a	---	
Ashby-Lee	K-4, S.E.	576	550	K-4, S.E.	4/91
W.W. Robinson	K-4, S.E.	867	875	K-4, S.E.	4/91
Sandy Hook	K-4, S.E.	560	625	K-4, S.E.	4/91
<b>Elementary Total</b>		<b>2,148</b>	<b>2,050</b>		
<b>Middle:</b>					
Edinburg	5-6, S.E.	333	n/a	---	
New Market	5-7, S.E.	144	n/a	---	
Strasburg	5-7	338	500	5-8, S.E.	4/92
Triplett	5-7, S.E.	200	n/a		
Woodstock	7-8, S.E.	328	710	5-8, S.E.	4/93
Southern	n/a	n/a	460	5-8, S.E.	4/93
<b>Middle Total</b>		<b>1,343</b>	<b>1,670</b>		
<b>High School:</b>					
Central	9-12, S.E.	568	710	9-12, S.E.	4/93
Stonewall Jackson	8-12, S.E.	469	460	9-12, S.E.	4/93
Strasburg	8-12, S.E.	466	500	9-12, S.E.	4/92
<b>High School Total</b>		<b>1,503</b>	<b>1,670</b>		
		=====	=====		
		<b>4,994</b>	<b>5,390</b>		

Notes: n/a = Information Not Available \* = Closing at end of 90-91 school year

Source: Shenandoah County School Board.

Two sites have been purchased for new intermediate schools; 17 acres in Strasburg and 15 acres in Woodstock. A site for the southern intermediate school has been selected but a purchase has not yet been completed as of this writing.

In addition to the public schools, there are three private schools in the County. In New Market, the Shenandoah Valley Academy offers enrollment for kindergarten through grade 12. Valley Baptist Christian School near Edinburg also offers kindergarten through grade 12 and Massanutten Military Academy in Woodstock offers grades 6 to 12 for males and 9 to 12 for females.

## COMMUNITY FACILITIES

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Vocational Education is offered through Triplett Business and Technical Institute in Mt. Jackson.

A college education is available at many locations close to Shenandoah County. A partial listing of nearby colleges and universities and others which serve the entire state follows:

Bridgewater College	Bridgewater, VA 22812
Christendom College	Front Royal, VA 22630
Eastern Mennonite College	Harrisonburg, VA 22801
George Mason University	Fairfax, VA 22030
James Madison University	Harrisonburg, VA 22807
Lord Fairfax Community College	Middletown, VA 22645
Mary Washington College	Fredericksburg, VA 22401
Shenandoah University	Winchester, VA 22601
University of Virginia	Charlottesville, VA 22903
Virginia Military Institute	Lexington, VA 24450
Virginia Tech	Blacksburg, VA 24061

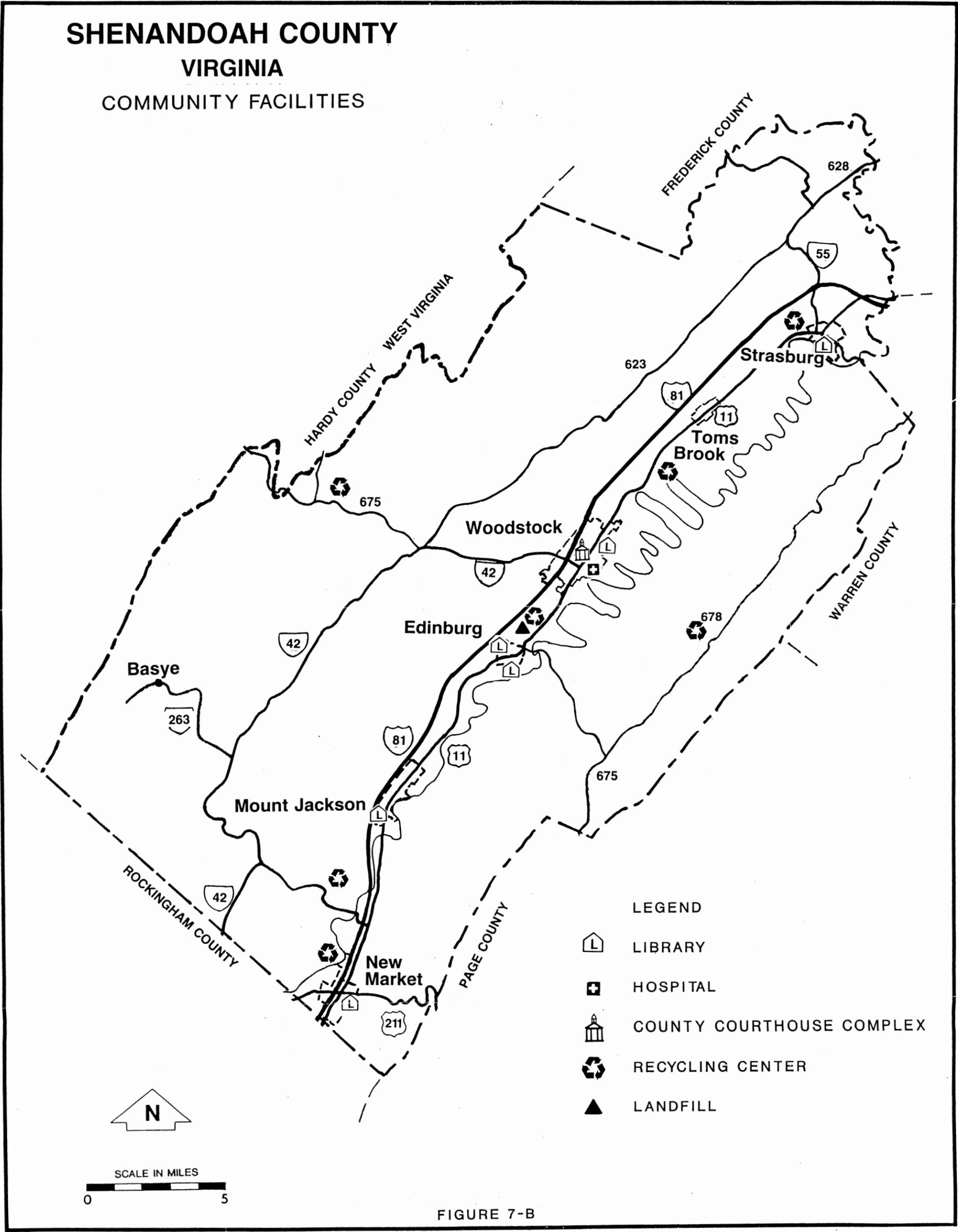
Source: Shenandoah County Marketing Book

## LIBRARIES

There are six libraries serving Shenandoah County, they are shown on Figure 7-B, Community Facilities, on the following page. Each town except for Toms Brook has a small community library, and a larger Shenandoah County Library is located in Edinburg. Combined, these libraries contain an estimated 64,000 volumes. The County Library also contains nearly 1,000 videos as well as numerous magazine and newspapers.

There are four paid staff persons working in the Shenandoah County Library, plus some volunteers. The community libraries are staffed solely by volunteers. A group called Friends of the Library helps to support the community libraries with volunteers and an annual fund drive. One project they are working on is to obtain a computer and create a database of the volumes that are available throughout the community library system.

# SHENANDOAH COUNTY VIRGINIA COMMUNITY FACILITIES



LEGEND

- LIBRARY
- HOSPITAL
- COUNTY COURTHOUSE COMPLEX
- RECYCLING CENTER
- LANDFILL

FIGURE 7-B

7-6

The State Library Board recommends 2 to 4 books per capita for libraries. Shenandoah County had a population of 31,270 according to preliminary 1990 Census figures. To meet the minimum recommended level the County would need 62,500 to 125,000 volumes. Together the County's libraries meet the minimum level recommended, but by spreading the books over different libraries the choices offered at any one library are diminished. The Shenandoah County Library contains 18,500 volumes or about 29 percent of all the books in the County.

### PARKS AND RECREATION

Shenandoah County has numerous parks and recreation facilities which offer a wide range of activities for people of all ages. These facilities are owned and operated by a range of agencies and organizations including Shenandoah County, several towns, recreational associations, and private companies. Figure 7-C on the next page shows parks and recreation facilities

The Shenandoah County Recreation Park is located between Toms Brook and Maurertown. It contains picnic shelters, ball fields (two softball and one baseball), a playground, volleyball court, tennis courts, basketball court, horse shoe area, and a concession stand with rest rooms.

Mt. Jackson, New Market Strasburg, and Woodstock each have town parks. Mt. Jackson's park contains a swimming pool, tennis courts, a baseball field, basketball courts, a playground, and a picnic shelter.

New Market's park has a swimming pool, baseball diamond, volleyball courts, tennis courts, a band stand, fitness trail, picnic shelters and a barbecue pit.

Strasburg recently acquired its park, which had been owned and operated by a recreation association. The Town is now in the process of renovating and expanding its facilities, including the old pool which needs major renovations, and is not currently in use. A new playground was just designed and constructed by the community. Plans call for picnic shelters, basketball courts, and tennis courts.

Woodstock's park has a pool, playground, volleyball courts, tennis courts, basketball courts, picnic shelters, a baseball diamond, and an all-purpose field.

A few recreational facilities are owned and operated by clubs or associations, such as the Lions Club playground in Strasburg and the Madison District Park near Edinburg. Additional recreation areas are located at the County's schools. A total of 340 acres of local public and privately owned recreational land is located in the County.

The North Fork of the Shenandoah River and the County's other waterways provide residents and tourists with many opportunities for boating, canoeing, swimming, and fishing.

Along with public recreational facilities, several private companies offer recreational activities such as skiing, golfing, horseback riding, swimming, and admission to museums or caverns for a fee.

In addition to local facilities, the George Washington National Forest, which contains 77,681 acres of forest in the County, offers hiking trails, campgrounds, and picnic areas, along with hunting and fishing for both residents and tourists.

#### LAW ENFORCEMENT

Four categories of law enforcement agencies serve Shenandoah County citizens. The towns of Edinburg, Mt. Jackson, New Market, Strasburg, and Woodstock all have their own Police Departments.

The Shenandoah County Sheriff's Department, headquartered in Woodstock, has jurisdiction in the Towns as well as the County, but concentrates on providing protection in the rural areas and also court-related services. Central dispatch is also handled by the Sheriff's Department.

The Virginia State Police has State-wide law enforcement powers. Shenandoah County is covered by troopers working out of the Page County office in Luray.

The fourth category consists of those officers who enforce the laws and regulations pertaining to natural resource areas such as game wardens and forestry officials.

All of these groups can call on one another for assistance when needed.

#### EMERGENCY SERVICES

Shenandoah County has nine volunteer fire departments with a total of about 341 volunteers. These companies cover most of Shenandoah County and a portion of Rockingham County. One company from Frederick County, (Company 17 in Star Tannery), covers the Northwest portion of Shenandoah County.

The fire companies are listed on the following page in Table 7-B. The approximate number of volunteers each company has and the equipment available are also listed.

Table 7-B  
Shenandoah County Fire Departments

<u>Number</u>	<u>Name</u>	<u>Location</u>	<u>Active Volunteers</u>
Co. 9	Toms Brook Volunteer Equipment: 2 Pumpers, Tanker & Salvage Truck	Toms Brook	47
Co. 12	Woodstock Volunteer Equipment: 3 Pumpers, Tanker, Brush Truck & Ladder Truck	Woodstock	30
Co. 13	Conicville Equipment: 2 Pumpers & Brush Truck	Conicville	20
Co. 14	Fort Valley Equipment: 2 Pumpers, Tanker & Brush Truck	Detrick	43
Co. 15	Edinburg Volunteer Equipment: 3 Pumpers & Brush Truck	Edinburg	45
Co. 18	Orkney Springs Equipment: 2 Pumpers, 2 Tankers & Brush Truck	Orkney Springs	23
Co. 20	Mt. Jackson Volunteer Equipment: 2 Pumpers, Tanker & Brush Truck	Mt. Jackson	33
Co. 23	New Market Volunteer Equipment: 2 Pumpers, Tanker, Brush Truck & Ladder Truck	New Market	40
Co. 51	Strasburg Volunteer Equipment: 3 Pumpers, Tanker, Salvage Truck & Ladder Truck	Strasburg	60

Source: Shenandoah County Sheriff Department, 1991.

Four Rescue Squads are currently operating in Shenandoah County. One squad is located in the each of the towns of Mt. Jackson, New Market, Strasburg and Woodstock. The Mt. Jackson and Woodstock Rescue Squad operate substations. Mt. Jackson's substation is at Orkney Springs and Woodstock's substation is in Fort Valley. One Rescue squad from Rockingham County (Broadway Rescue Squad) provides emergency services to the Southwestern portion of the County.

The four Rescue Squads with the number of active volunteers and the equipment in each squad are listed in Table 7-C, on the following page.

Table 7-C  
Shenandoah County Rescue Squads

<u>Number</u>	<u>Name</u>	<u>Location</u>	<u>Active Volunteers</u>
Co. 5	Woodstock Rescue Squad Equipment: 3 Modular Ambulances, Ambulance, Crash Truck, Utility Truck & Boat	Woodstock	39
Co. 5	Fort Valley - Substation Equipment: Modular Ambulance, Ambulance & Boat	Detrick	16
Co. 19	New Market Rescue Squad Equipment: 2 Modular Ambulances, 2 Ambulances & Carry All	New Market	25
Co. 21	Mt. Jackson Rescue Squad Equipment: 2 Modular Ambulances, Utility Truck, Crash Truck & Boat	Mt. Jackson	30
Co. 21	Orkney Springs - Substation Equipment: 2 Ambulances, Utility Truck & Boat	Orkney Springs	30
Co. 25	Strasburg Rescue Squad Equipment: 4 Modular Ambulances, Crash Truck Mass Casualty Unit, 4-Wheel Drive Vehicle & Boat	Strasburg	44

Source: Shenandoah County Sheriff Department, 1991.

Figure 7-D on the following page shows the location and service areas covered by the Fire and Rescue Departments. While all of the County has fire and rescue service, it is apparent that the remote areas of the County will be harder to serve. This factor should be considered for future residential development decisions.

The Board of Supervisors has adopted an ordinance which places a small surcharge on phone lines within the County in order to develop an enhanced 911 emergency service dispatching system. The upgraded system will provide additional capabilities for the dispatchers, and provide location information for the source of emergency calls. As part of the process of upgrading the system, all of the streets and roads must be named, and the house numbering system expanded throughout the balance of the County.

## WATER AND SEWER FACILITIES

The Towns of Edinburg, Mt. Jackson, New Market, Strasburg, and Woodstock have public systems; the Toms Brook-Maurertown area is served through a public authority, and the Bryce Mountain resort and specific properties in the Basye area which contract for service are served by the Stony Creek Sanitation District. Each system is described below:

Edinburg - The Town primarily serves the area within its corporate boundaries, although a few small lines run a short distance outside them. The water system is currently utilizing one-third of the available capacity. An upgrade to the wastewater treatment plant was recently completed, which increased both the treatment level and its capacity. Rated capacity is currently 175,000 gallons per day (gpd), and the amount being pumped is approximately 89,000 to 95,000 gpd. The Town continues to work on infiltration and in-flow problems. In the future, services can be extended to the study area which was identified in the Town's Comprehensive Plan.

Mt. Jackson - A water and sewer study is currently being conducted by the Town's consultants. In the past, there haven't been coordinated policies regarding the extension of utilities outside of the corporate limits. However, there are now some guidelines which include a one-third premium on the rates, and a required analysis of the sizing of service pipes and possible requirements to contribute to their upgrading. In addition to serving the current corporate limits, the Mt. Jackson system also serves the County's industrial park located west of I-81 near the Shenandoah Caverns exit. In the future, service may be extended further in this area and then northward to serve the western side of the interstate up past the Mt. Jackson interchange. The current capacity of the wastewater treatment plant is 200,000 gpd with an average flow of 150,000 gpd.

New Market - The Town has had strict policies on new connections to its systems for years. All water or sewer hookups outside of the corporate limits must have Council's approval. In addition, the connection fees are double for out of town service. No industrial hookups are allowed. The town does not feel it is in a position to finance the extension of its lines; any businesses or persons wanting service would have to pay the cost of any necessary extensions. New Market has recently completed the construction of a 500,000 gpd secondary wastewater treatment plant. The current average flow is approximately 300,000. The Town's water system has a 1.73 mgd maximum capacity, including a 500,000 storage capacity. The current average use is 534,000 gpd.

Strasburg - An upgrade of the water treatment plant was recently completed by the Town, which expanded its capacity from 670,000 gpd to 1,000,000 gpd. An upgrade project is now under way to the sewer treatment plant which has a permitted capacity of 975,000 gpd. Current averages flows at the plants are 454,000 gpd (water) and 500,000 gpd (sewer). The future service area is the area identified as Annexation Area B in the Town's annexation study.

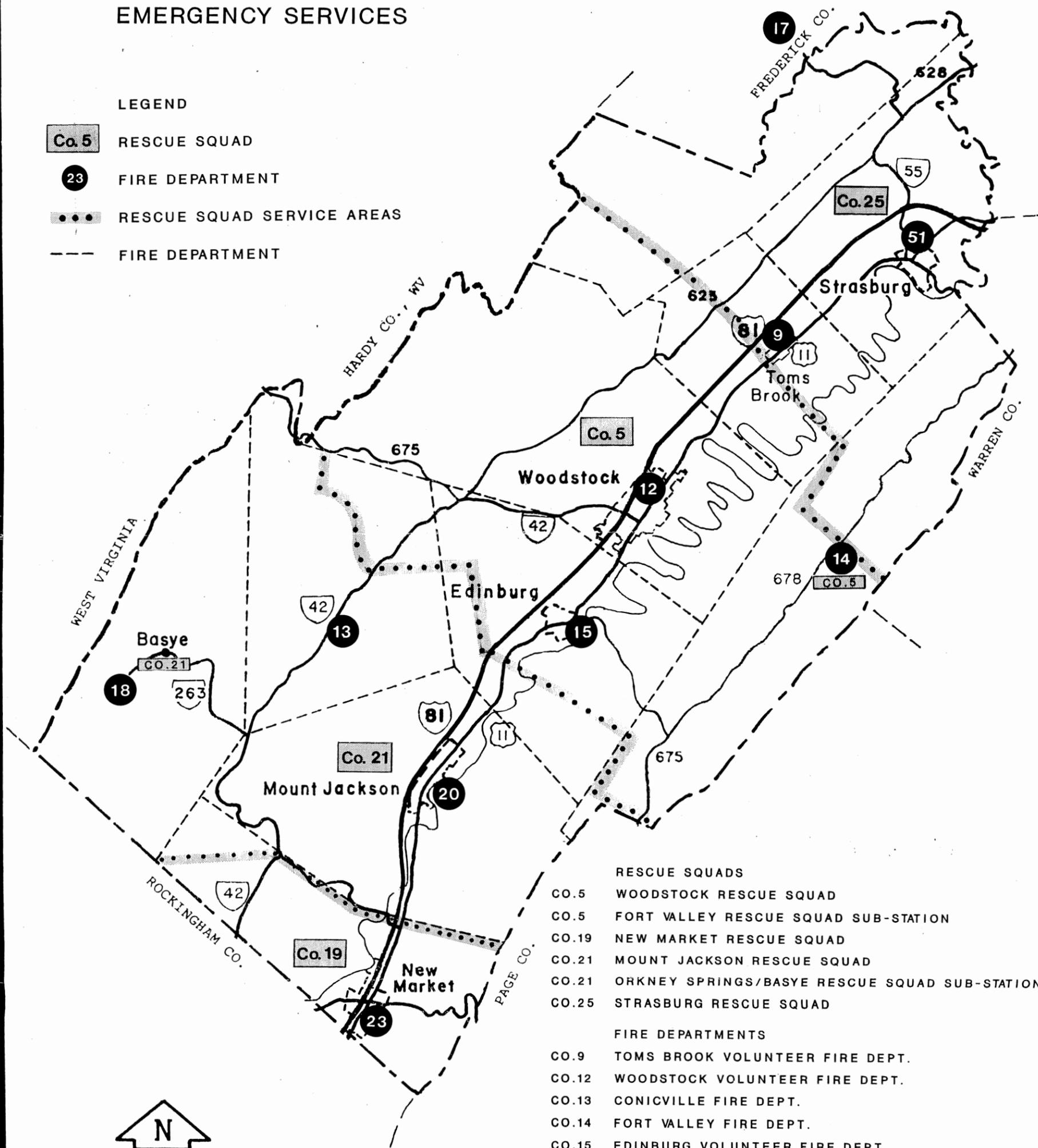
# SHENANDOAH COUNTY

## VIRGINIA

### EMERGENCY SERVICES

#### LEGEND

- Co. 5 RESCUE SQUAD
- 23 FIRE DEPARTMENT
- RESCUE SQUAD SERVICE AREAS
- FIRE DEPARTMENT



- |                  |   |
|------------------|---|
| RESCUE SQUADS    |   |
| CO. 5            | WOODSTOCK RESCUE SQUAD                        |
| CO. 5            | FORT VALLEY RESCUE SQUAD SUB-STATION          |
| CO. 19           | NEW MARKET RESCUE SQUAD                       |
| CO. 21           | MOUNT JACKSON RESCUE SQUAD                    |
| CO. 21           | ORKNEY SPRINGS/BASYE RESCUE SQUAD SUB-STATION |
| CO. 25           | STRASBURG RESCUE SQUAD                        |
| FIRE DEPARTMENTS |   |
| CO. 9            | TOMS BROOK VOLUNTEER FIRE DEPT.               |
| CO. 12           | WOODSTOCK VOLUNTEER FIRE DEPT.                |
| CO. 13           | CONICVILLE FIRE DEPT.                         |
| CO. 14           | FORT VALLEY FIRE DEPT.                        |
| CO. 15           | EDINBURG VOLUNTEER FIRE DEPT.                 |
| CO. 17           | STAR TANNERY FIRE DEPT.                       |
| CO. 18           | ORKNEY SPRINGS FIRE DEPT.                     |
| CO. 20           | MT. JACKSON VOLUNTEER FIRE DEPT.              |
| CO. 23           | NEW MARKET VOLUNTEER FIRE DEPT.               |
| CO. 51           | STRASBURG VOLUNTEER FIRE DEPT.                |



FIGURE 7-D

7-12

Woodstock - The town has defined a future service area for its water and sewer facilities which will extend west to Route 763, south to Route 605, east to a proposed new road along the seven bends of the river, and north to the proposed new interchange with I-81. Current policy is to extend utilities only to those property owners who are willing to become a part of the Town through a boundary adjustment agreement with the County. Permitted capacities is 1.8 million gpd for the water system with an average flow of 600,000 gpd, and 1 million gpd for the sewage system with an average daily flow of 500,000.

Toms Brook-Maurertown Service Authority - This system provides water and sewer services to the Town of Toms Brook, the unincorporated community of Maurertown, and the surrounding area from the Toms Brook interchange at I-81 south to the Town of Woodstock. Total permitted capacity is 77,600 for the water system which pumps an average of 65,000 gpd, and 180,000 gpd for the sewage system which has an average flow of 90,000 gpd. A proposal has been made to create a sanitary district to replace the authority.

Stony Creek Sanitary District - Water and sewer service is provided primarily to the Bryce Mountain resort area and a few additional properties which contract for service by this utility system. There are no plans to provide additional service outside of the designated service area. The District relies solely on ground water for its source. Currently, the permitted capacity of the water system is 210,000 gpd, and approximately 110,000 gpd are pumped. The sewer system's permitted capacity is 600,000 gpd (at secondary treatment), with an average flow of 350,000. The wastewater treatment plant is capable of providing tertiary treatment if necessary, but this reduces its capacity.

Based on the above information, current and potential future public water and sewer service areas are illustrated in Figure 7-E, page 7-15. The Town of Strasburg service area is covered by an annexation agreement and therefore accurately represents potential future growth for the Town. This is not the case with the other towns. Individual annexation agreements may be developed between the County and the Towns of Edinburg, Mt. Jackson, New Market and Woodstock to define specific future growth areas for each.

### SOLID WASTE FACILITIES

The town of Woodstock provides collection services on a once-a-week basis to its residents, using municipal crews and equipment. No separate collection fee is charged. Commercial and industrial establishments must contract separately with a private collection service.

The five other towns in Shenandoah County have municipal contracts with private disposal companies for weekly collection service. A portion of the County outside of the towns is also served by private collection services on an individual contract basis.

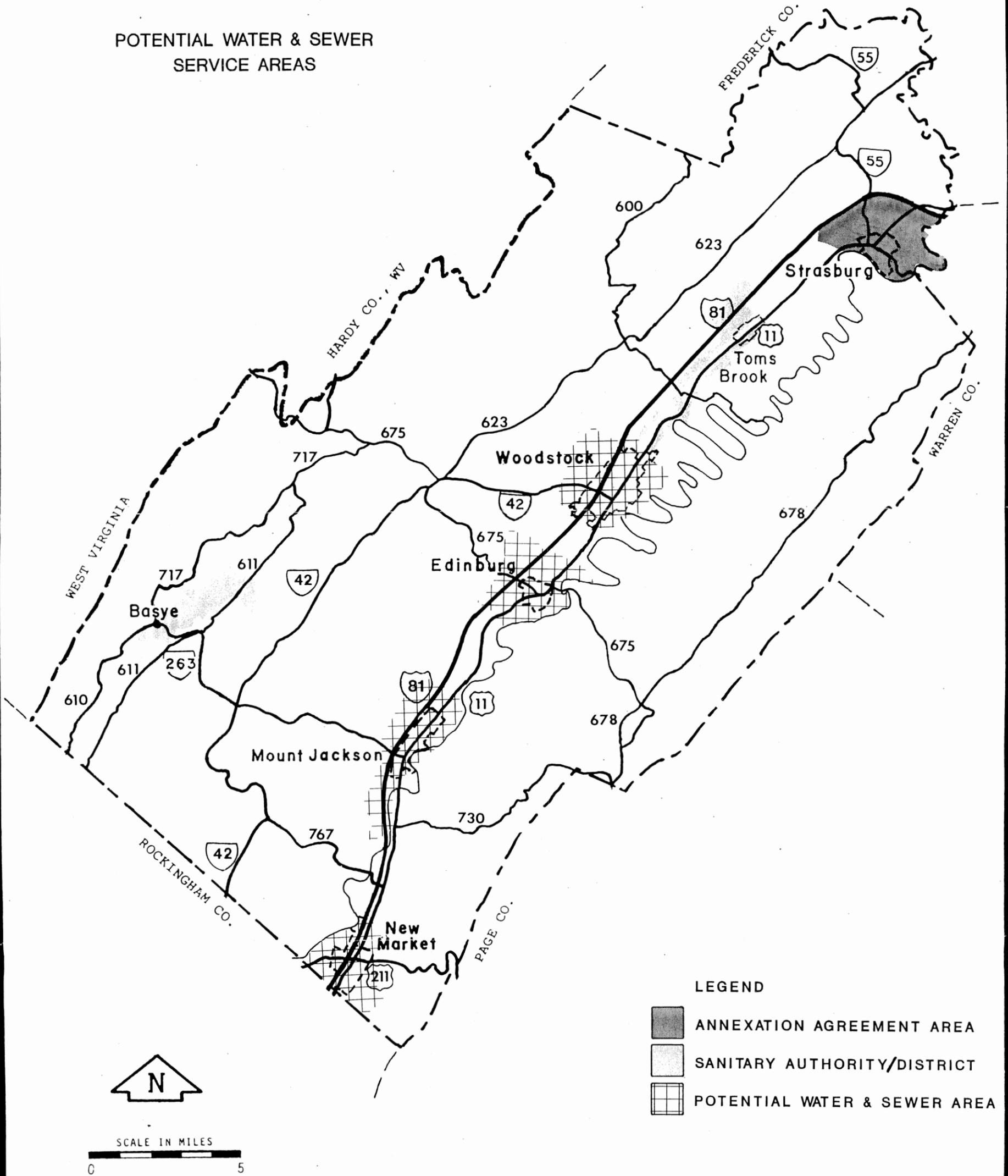
In the past, the County has provided bulk container service at 23 sites, using its own equipment. These 23 sites are gradually being phased out of operation and ten compactor sites which will include recycling centers will be opened. In addition, a county-wide recycling program involving all the towns is currently being developed. The majority of the towns are in favor of siting drop-off recycling containers in key locations which will allow residents to drop off their recyclables while on their way to and from other facilities or activities.

Approximately 140 tons of solid waste are disposed of daily at the County's sanitary landfill, located between Woodstock and Edinburg off of Route 11. The landfill was first established on a 43 acre site in 1973, and additional adjacent land has been purchased since to expand the site currently to 187 acres total. Scales were installed in August 1988 to provide a more accurate measurement of the waste entering the site. The projected life of the landfill is estimated to be approximately 20 years.

The County is participating in the regional solid waste planning effort, and should continue to support this cost-effective way to meet the State mandated planning and reporting requirements. In addition, an implementation plan is being developed for the Shenandoah County landfill service area, which will detail how the State goals for recycling and reduction of the waste stream will be met. The County's landfill and existing recycling centers are shown on the Community Facilities Map (Figure 7-B), page 7-6.

# SHENANDOAH COUNTY VIRGINIA

POTENTIAL WATER & SEWER  
SERVICE AREAS



7-15

FIGURE 7-E

## RECOMMENDATIONS

Adequate public services and facilities are required to serve community needs. Public service areas should be delineated around the towns to serve the needs in an efficient manner. Preliminary designations of proposed areas are shown on Figure 7-E.

Facilities that are needed to support development will also require participation by the developer(s) in their financing. This may include the extension of services to the development and the expansion of the system's capacity if required.

It is a County objective to improve the County's school facilities and curriculum. A facilities plan has been prepared and is now being implemented. The County should also promote adequate recreational facilities for citizens of all ages.

The need to improve the capability for fire and rescue service dispatching and response will be met by the enhanced 911 emergency dispatch system that has been approved by the Board of Supervisors. This will include the implementation of a county-wide road naming and house numbering system.

The County will comply with state and federal requirements for the disposal of solid waste. It is actively promoting recycling and waste-minimization efforts, and is developing a county-wide recycling program in cooperation with the Town. It will also promote regional cooperation on solid waste disposal issues by participating in regional solid waste planning, and encouraging the towns to do the same.

The County implements capital projects through a Capital Improvements Program (CIP). A fiscal analysis of recent trends in County revenues and expenditures should be conducted to determine relative fiscal capacity for expanded services and capital projects. The CIP should be maintained as part of the County budget process, and all towns and other county service agencies should be encouraged to have capital improvement programs.

The provision of adequate public facilities requires foresight, planning, and coordination. It is essential that the several communities within Shenandoah County and all of the agencies, authorities, public service districts and other organizations providing services work with the County to provide facilities where needed, to guide development to desired locations, and to protect natural areas from encroachment.