

# Chapter 5: Utilities and Community Facilities

## Introduction

The provision of adequate public utilities and facilities is essential for the development of any community. It is important that public utilities and public facilities be available to meet the needs of citizens, businesses, industry, and government entities.

This section discusses existing systems and planned projects in the areas of water, sanitary sewer, storm sewer, solid waste, recycling, recreation, and public facilities and services. Each utility will be discussed separately. Map 5-1 identifies the general location of each community facility.

## Survey Results

Within the next 5 years, the Village of Spring Valley will need to build or expand the.....

	Strongly Agree	Agree	No Opinion	Disagree	Strongly Disagree
Village Hall	18	55	168	161	48
Public Works	32	119	169	91	23
Police Department	25	90	162	139	36
Library	63	129	124	115	24
Fire Dept. / Emergency Services	55	128	147	96	19
Parks	56	141	134	101	16
Schools	62	120	140	102	22
Community Center	70	119	141	73	17
Other: (Please Specify)					

In general, the Village of Spring Valley Police Department... (Please check one box for each category)

Category	Strongly Agree	Agree	No Opinion	Disagree	Strongly Disagree
Provides a feeling of safety in the community.	106	242	50	19	4
Provides adequate protection and coverage.	97	239	55	26	2
Responds in a timely manner when called.	87	179	127	17	3
Other: (Please Specify)					

In general, the Village of Spring Valley Public Works Department...

Category	Strongly Agree	Agree	No Opinion	Disagree	Strongly Disagree
Adequately maintains local infrastructure (road, utilities)	106	242	50	19	4
Responds in a timely manner when called.	97	239	55	26	2
Addresses concerns with respect and fairness.	87	179	127	17	3
Other: (Please Specify)					

In general, the Village of Spring Valley’s Administrative Staff...

Category	Strongly Agree	Agree	No Opinion	Disagree	Strongly Disagree
Responds to requests in a timely manner.	59	235	59	59	6
Is courteous and polite.	65	165	148	29	9
Is knowledgeable and helpful.	52	161	141	45	13
Other: (Please Specify)					

## Storm Water Management

Storm water is managed through a typical curb and gutter system. Water runoff is collected in the storm sewers and processed at the water treatment plant with other waste waters. Some of the storm water runoff from the industrial park is retained in a retention pond. There are some concerns regarding the existing infrastructure, pipes are flat and shallow, and some discharge pipes have tendencies to clog. Upgrades and expansion of the storm water systems will occur in conjunction with road projects and development expansions.

Currently, there are two existing Best Management Practices (BMP) in the industrial park to treat regional stormwater. Both are wet detention ponds and are approximately .5 acres each.

## Sanitary Sewer and Waste Water Treatment

The sanitary system in the Village of Spring Valley consists of sanitary sewer mains, lift stations, forcemains, and a wastewater treatment plant (WWTP). The sanitary sewer system collects wastewater from homes, businesses, and industries and uses gravity mains and lift stations to convey it to the WWTP where it is treated. Sanitary sewer mains within the Village are maintained by the Village.



The Village’s existing Waste Water Treatment Plant (WWTP) is located on the south side of State Highway 29. The WWTP has a design capacity of 115,000 gallons per day (gpd), with an average treatment of 40,000 to 70,000 gallons per day. The WWTP was last upgraded in 1984, but the plant still utilizes buildings/structures from 1949. The treatment plant is being replaced in 2010 as part of the recommendations set forth in the Spring Valley Facilities Plan.

Other future improvements to the sanitary sewer system include expansion into the industrial park, Mines Creek - Phase 2, and rehabilitation of older mains in the downtown area. Currently, there are six lift stations throughout the Village.

The primary concern of the sanitary sewer system is infiltration and inflow problems, allowing stormwater to enter the sanitary mains and using capacity on treating stormwater. An Infiltration and Inflow Study and an Operation and Evaluation may be needed to evaluate this concern. Information from these studies should identify how to improve the sanitary system and reduce infiltration and inflow and determine what is causing the high ammonia levels at the waste water treatment plant.

Other issues the Village may want to consider addressing in the future include updates to the utility mapping.

## **Water Supply**

The water system of the community is made up of wells, water towers, hydrants, and water mains that help draw, store, maintain pressure, and distribute water to homes, businesses, and industries in the Village.

The Village of Spring Valley is served by two wells. Well #2 is located on Sabin Avenue. It has the capability of producing 200 gallons per minute. Only typical maintenance is planned at this time, but it does have issues with sand and should be upgraded to fix the issue. Well #3, located on Pump Street and has a capacity of 250 gallons per minute. On average, the Village uses about 75,000 gallons per day.

Fluoride and Chlorine are added to both wells and are treated for iron.

Both wells provide water to two elevated water storage tanks for the community. The water tower has a capacity of 100,000 gallons. The tower, located adjacent to the golf course, was last inspected in 2006/2007 and meets the current needs of the Village. The storage tank is located just south of Oak Street.

Currently, there is one booster station just south of Oak Street. Another booster station will be installed in the industrial park in 2009, to maintain adequate water pressures. Upon installation of this second booster station, water service should be able to extend out to County Highway I without a reduction in pressure.

## **Public Works**

The public works garage is located at N207 Newman Avenue. Some of the department's needs include newer equipment and larger storage areas/garages.

## **Solid Waste Disposal & Recycling Facilities**

Pierce County Solid Waste Department provides garbage and waste collection periodically for items such as hazardous waste, paints, tire, and electronic equipment. They also perform Clean Sweep programs, offered periodically throughout the year. There are fees associated with appliance collection. Pierce County has provided a Recycling Guide pamphlet to help residents recycle proper items.

There is an additional recycling drop off location available at all hours located across from the Fire Hall at S407 Newman Avenue.

Curbside solid waste disposal is also available. The Village has a contract with P.I.G., Paul's Industrial Garbage, out of Hager City. Solid waste is collected once a week. There are no concerns or plans for improvements of these services.

### **Telecommunications Facilities**

The availability of infrastructure such as high-speed internet service or cell phone service is an important factor for attracting new business and residents who may want to telecommute. Many businesses count on reliable services such as high-speed internet in order to be competitive and operate efficiently. Residents, especially those moving from an urban area, are used to amenities such as high-speed internet service.

Internet services are also very important to students. Education programs rely on internet data and will continue to utilize the internet more each year. High speed internet or wireless internet services may be necessary for students in the near future.

The available telecommunication facilities in the Village are very limited. Celect Communications LLC provides cable television services to the Villages of Spring Valley. Spring Valley Telephone Company Inc. provides all of the Village's telephone services and offers internet services. Both providers have limited internet connectivity speeds due to the rural nature of the Village, speeds start at 512k up to 3 Meg.

The Village of Spring Valley has ordinances developed to regulate the location and size of wireless communication service facilities, or telecommunication towers, antennas, and related facilities.

### **Newspaper**

The two newspapers in circulation in the Village are the Sun-Argus and the Pierce County Herald. The Sun-Argus is the Village's official paper.

### **Power Plants, Transmission Lines, and Natural Gas**

The Village utilizes electrical power and transmission lines from Xcel/Northern State Power Company (NSP). Electricity service is also available from St. Croix Electric. Midwest Natural Gas Inc., aka We Energies, provides natural gas utility services to the Village. There are currently two transmission lines in the Village.

### **Parks and Recreation**

The Village is fortunate to have a very popular recreational park; the Eau Galle Dam and Recreation Area provides opportunities for camping, hiking, fishing, swimming, and much more, bringing a large amount of tourism to the Village. The Village also has two

parcs and a public pool, including Handy Andy Park, City Park, and Syverson Pool. The Spring Valley Bike trail connects City Park to the west end of the Village. Additional tourist attractions include the Spring Valley Golf Course and Crystal Cave, both located in the southwestern portion of the Village.

Handy Andy Park is located on the south side of State Highway 29 and is about 8 acres in size. The park was donated and named by Mr. Rex Stockman. His horse, named Handy Andy once grazed the land. Handy Andy is also buried at the park. The park has a picnic shelter, volleyball court, picnic tables, grills, soccer field, port-a-potties, play ground equipment, and an ice skating rink in the winter.



City Park is located next to the nursing home along State Highway 29; this park has a small picnic shelter, picnic tables, grill, and some playground equipment. It is also the located along the multipurpose trail.

The Village's downtown is located on the south side of a very large earthen dam, and on the north side of the dam is a very large park and recreation area, Eau Galle Park, managed by the US Army Corp of Engineers. Many trails, campgrounds, and picnic areas are located within the park. Additionally, there is a boat launch, swimming beach and other park amenities.

Syverson Pool, located just south of the dam, is open from 1:30 p.m. to 5:00 p.m. and 6:00 p.m. to 8:00 p.m. from June 1 to August 31 each year.

The School District operates the recreational facilities located on the south side of the dam. The facilities include ball fields, tennis and basketball courts, and various practice fields.

The Spring Valley Golf Course is another recreational resource in the Village. The golf course is located just east of Van Buren Road and has an 18 hole regulation layout that meanders its way over a hilly, fairly open landscape before winding through a thick pine forest.

Crystal Cave is open to the public for tours April through October each year and also offers educational visits.

The *Village of Spring Valley Community Survey* indicated that 44% of residents felt that additional parks or parkland would need to be developed or expanded within the next five years.

Some of the future park needs include additional playground equipment and additional parkland. Additional park and recreation related information can be found in the Pierce County Outdoor Recreation Plan.

## **Cemeteries**

There are two cemeteries in the Village, the St. John's Lutheran Cemetery located off of County Highway B, just east of State Highway 29 and is over 100 years old, and the Sacred Heart Cemetery located off of Van Buren Road and County Highway B, and is over 85 years old (pictured right).



## **Health Care Facilities**

Spring Valley Health Care Services (SVHCS) offer in-home health, personal, cleaning and assistive services for elderly and disabled persons. The Care Center is located at W500 State Highway 29, and offers respite and short-term care; post-hospital stay health and rehabilitation services; special transportation for medical appointments; daily recreational activities and programs; therapy and rehabilitative services; physical, speech, and occupational therapies; and home health care.

The Spring Valley Assisted Living Apartments have started construction; there will be twenty apartment units and room to expand.

Other health care facilities in the Village include the Spring Valley Medical Clinic on S130 McKay Avenue, Valley View Eye Clinic, Spring Valley Dental Clinic, Spilde Chiropractic Clinic, and Breath and Bodywork Massage.

## **Child Care Facilities**

Childcare facilities provide valuable services for working adults with children. There are two licensed day care facilities in the Village of Spring Valley, otherwise these services are typically provided by residents offering care out of their homes. Various private providers meet other child care needs in the Village.

## **Fire & Ambulance/ EMT Rescue**

Spring Valley is proud of their Fire Department. Volunteer Fire Fighters are dedicated and offer a variety of experience to the Department. The Department currently services 90 square miles. The Fire Department is located at S407 Newman Avenue, sharing a building with the Spring Valley EMS and the Village Maintenance Shop.

Like the growth of the Village, the Fire Department has grown and space within the current building is limited. Additional space is desired, consideration to relocating the Village Maintenance Shop to a new facility would provide the Fire Department with additional space within their existing facility.

The Fire Department has also been actively pursuing and successful with the Assistance to Fire Fighters Grant Program, offered through the Federal Emergency Management

Agency (FEMA). This program has helps fire departments obtain critically needed equipment, protective gear, emergency vehicles, training, and other resources needed to protect the public and emergency personnel from fire and related hazards.

The Spring Valley Emergency Medical Service (EMS) is also a volunteer operated public service. On-call are a number of Emergency Medical Technician's (EMT) and First Responders, some EMT's and First Responders are also volunteer Fire Fighters. The facility space is adequate at this time. In 2009, an additional ambulance was put into service resulting in two ambulances providing services to the community.

The Spring Valley Fire Department and EMS offer mutual aid to 27 other fire and rescue departments located in Pierce County, St. Croix County, and Dunn County. The departments receive approximately 110 to 125 emergency calls annually.

## **Police**

The Village of Spring Valley operates its own Police Department. The Police Department is located at E121 S. Second Street and currently has two full-time officers and three part-time officers.

The Spring Valley Police Department has some new equipment, including digital cameras, computer equipment, radar units, and tasers, but still has needs for additional equipment. Some of the equipment needed are digital radios, for the 2013 conversion from analog to digital, and software for communication with the sheriff's dispatch.

The *Village of Spring Valley Community Survey* reveals that residents feel that the Police Department provides a feeling of safety (82.6%) and provides adequate coverage and protection to the community (80.2%).

Spring Valley has three strategically placed emergency sirens covering the entire Community and property adjacent to the Village.

## **Municipal Building**

The Village of Spring Valley Municipal Building is home to the Village Offices, Public Library, and Police Department. The building was originally built as a school in 1960 and later became the municipal building, and was purchased by the Village in 1996.

## **Library**

The Spring Valley Library is located in the Municipal Building, at E121 South 2<sup>nd</sup> Street. There Library is part of the Indianhead Federated Library System, and serves a population of about 3,000. Because the Library operates out of the Municipal Building also a former school, the Library is in need of additional space and technology upgrades to meet the current needs of its patrons. Additional funding to support the Library and its necessary upgrades is also needed at this time.

The *Village of Spring Valley Community Survey* indicated that 42.4% of residents felt that the library would need to be redeveloped or expanded within the next five years.

### Senior Citizens Center

The Spring Valley Senior Citizen Center is located at S242 McKay Avenue. The center offers meals on wheels, congregate meals to seniors, and other community activities. The building is equipped with a kitchen, dining and living rooms, and is handicapped accessible. At this time, the facility meets the Senior Citizens Centers intended needs and no major improvements are planned, but repairs and upgrades are needed.



### Schools

The Spring Valley School District has two schools, the Spring Valley Middle School/High School and the Spring Valley Elementary School. The Middle School/High School opened its doors in September 1998 and was home to 328 students and 25 teachers in 2008. The Elementary School first opened its doors in 1929, and has seen many additions and remodeling. The original portion of the school, built in 1929 is the middle three-story section, the north end and computer room were added in 1956 and 1957, the library was added in 1968, and the south gymnasium was added in 1976. The school was home to 359 students and 28 teachers in 2008. Table 5-1 details the 2008 public school enrollment for the Spring Valley School District.

Table 5-1 - School District Enrollment 2008 – Spring Valley

District	School	Grade	Female	Male	Total
State of Wisconsin Total			424,248	450,385	874,633
Spring Valley Sch Dist	Spring Valley Elementary	PreK – 6	164	195	359
Spring Valley Sch Dist	Spring Valley High	9 – 12	112	106	218
Spring Valley Sch Dist	Spring Valley Middle	7 – 8	61	49	110
Spring Valley Sch Dist Total			337	350	687

Source: Wisconsin Department of Public Instruction

The school district serves the Village of Spring Valley along with the Village of Wilson, Towns of Cady, El Paso, Gilman, Martell, Eau Galle, Lucas, Rock Elm, Springfield, and Spring Lake.

As the school district and population has grown, so have the needs of the schools. At this time, the Spring Valley School District is in need of additional athletic field space and facilities. Currently, they practice near the pool. If the school moves the facilities and that land becomes available, and the school district is interested in selling it, the Village would be interested in acquiring the land.

## **Other Facilities**

The Village of Spring Valley has many additional facilities and recreational opportunities that are necessary in the progress of a community. Some of those other facilities in the Village include veterinary offices and Post Office. Other traditional core businesses and services available in the community include banks, pharmacy, hardware store, grocery store, and gas stations. They are also fortunate to have an organic gardening services business right in the downtown.

The *Village of Spring Valley Community Survey* indicated that 45% of residents felt that the community center would need to be redeveloped or expanded within the next five years.

## **Goals, Objectives, Policies, Programs, & Actions**

**Goal 1: Provide quality community services and facilities at a reasonable cost to taxpayers.**

### **Objectives**

1. Make sure the demand does not exceed capacity.
2. Minimize the cost of repairing and replacing existing utilities and infrastructure.
3. Plan for future needs.

### **Policies**

1. Design new community buildings that can accommodate future growth needs.
2. Continue to explore opportunities to share services with the surrounding communities.
3. Develop recommendations or standards for community facility design and aesthetics.
4. Explore grants such as Community Development Block Grants or DOT Transportation Economic Assistance, DNR Stewardship or create a TIF District to help offset utility improvements.
5. Analyze and assess existing utility infrastructure system and capacities to determine potential “smart growth” areas.
6. Explore upgrading options for ambulance and fire services.
7. Continue to contract out the solid waste disposal and recycling service needs of the community.
8. Continue to support existing and future telecommunication infrastructure as long as new facilities can be developed in an environmentally friendly way.
9. Consider approaching the school district about the future possibility of acquiring the current practice field near the public pool if and when that land becomes available.

**Goal 2: Support and improve the quality of schools, healthcare, emergency services, parks, and library, etc.**

**Objectives**

1. Maintain and improve the quality of life for Village and surrounding residents.
2. Make the Village of Spring Valley more attractive to business and industry.

**Policies**

1. Improve communication between the Village, emergency services, and businesses.
2. Facilitate various activities in community parks.
3. Repair existing fencing, picnic shelters, and restrooms at park facilities when necessary.
4. Ensure communication between the School District and the Village is maintained to address future facility and community needs.

**Goal 3: Support long-range planning that addresses the existing populations and future growth of local and regional populations.**

**Objectives**

1. Meet the long-term needs of residents.
2. Manage long-term costs associated with area growth.
3. Analyze facilities to determine expansion needs.

**Policies**

1. Design buildings for future expansion that fits the original design.
2. Analyze trends for facility development and capacity.
3. Ensure adequate land for anticipated growth.
4. Update equipment and emergency plans for safety and cost-effectiveness as appropriate.
5. Maintain and update parks and recreation plan.

**Goal 4: Provide quality utilities at a reasonable cost to taxpayers.**

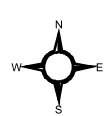
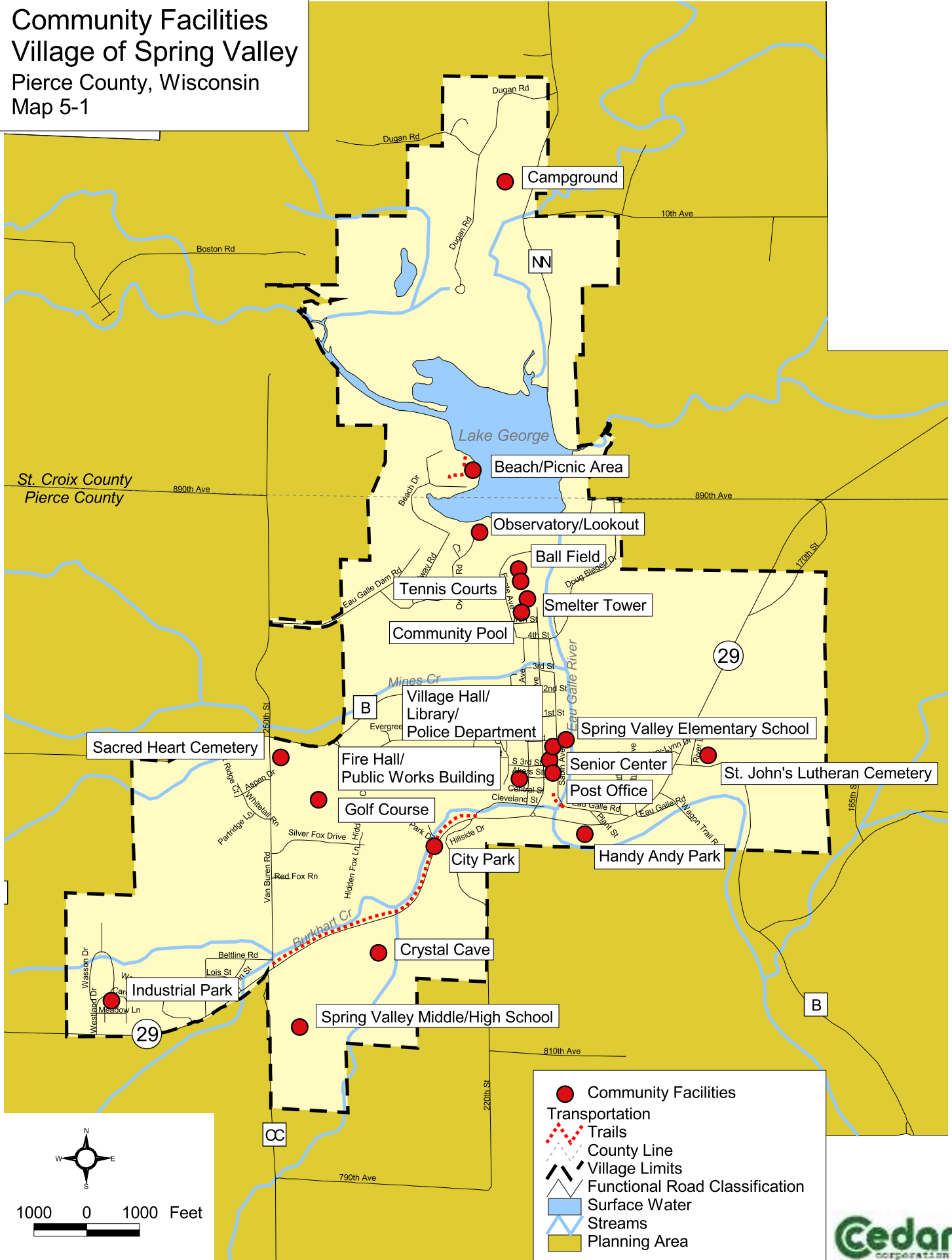
**Objectives**

1. Meet the long-term needs of residents.
2. Manage long-term costs associated with area growth.
3. Analyze facilities to determine expansion needs.
4. Reduce the negative impacts that stormwater runoff has on infrastructure and surface waters.

**Policies**

1. Ensure that utility services are upgraded, expanded, or improved to meet the needs for anticipated growth and development.
2. Analyze trends for future utility capacity of the WWTP, sanitary sewer service, and water supply.
3. Update equipment for safety and cost-effectiveness as appropriate.

**Community Facilities**  
**Village of Spring Valley**  
 Pierce County, Wisconsin  
 Map 5-1



1000 0 1000 Feet

- Community Facilities
- Transportation
- - - Trails
- County Line
- Village Limits
- Functional Road Classification
- Surface Water
- Streams
- Planning Area

