

CHAPTER 4 Utilities and Community Facilities Element

66.1001(2)(d) Wis. Stat.:

Utilities and Community Facilities element. A compilation of objectives, policies, goals, maps and programs to guide the future development of utilities and community facilities in the local governmental unit such as sanitary sewer service, storm water management, water supply, solid waste disposal, on-site wastewater treatment technologies, recycling facilities, parks, telecommunications facilities, power-generating plants and transmission lines, cemeteries, health care facilities, child care facilities and other public facilities, such as police, fire and rescue facilities, libraries, schools and other governmental facilities. The element shall describe the location, use and capacity of existing public utilities and community facilities that serve the local governmental unit, shall include an approximate timetable that forecasts the need in the local governmental unit to expand or rehabilitate existing utilities and facilities or to create new utilities and facilities and shall assess future needs for government services in the local governmental unit that are related to such utilities and facilities.

Section 4.1 Public Utilities Inventory

The physical well-being of the Village of Whiting is dependent upon the adequacy of its public utilities and services. A safe and ample source of water, an adequate means of disposing of solid and liquid waste, and adequate supplies of energy are essential in maintaining the public health, economy and natural resource base of the Village.

A. Wastewater Treatment Plant

The Village of Whiting's original wastewater treatment facility was completed in 1967 with a maximum design flow of 250,000 gallons per day. The facility received a WPDES permit in 1974 that allows wastewater to be discharged after secondary treatment. In 1977, the facility was not capable of meeting State effluent laws in its permit because it was receiving the average daily flow it was designed to treat. At that time, a facilities plan was being developed at the request of the DNR for all communities in the metropolitan area to identify potential facility modifications. By 1979, specific plans were created for the wastewater treatment facility's modifications to meet effluent regulations. In 1980, the Village of Whiting received a grant from the Wisconsin Fund (through the DNR) to cover 60% of plant upgrade construction costs which totaled \$779,345. The construction began in 1980 and was completed in 1981.

Modifications made to the original treatment facility included: an activated sludge process to remove 96% of organic and inorganic materials from the wastewater. Components of the current facility include: primary clarifiers, aeration basins, a flow equalization tank, a final clarifier, aerobic and anaerobic digesters, sludge beds, and a final clarifier which was eventually converted into an ultra-violet disinfection system.

The current wastewater treatment plant is designed for a hydraulic flow of 0.310 million gallons per day (MGD) (310,000 GPD) and biological oxygen demand (BOD) of 530 pounds per day. The 20-year design life of the wastewater treatment facility extended through 2002 (see Map 4.1). Average monthly flows were approximately 0.277 MGD in 2003. The peak average monthly flow in 2003 was recorded in June, at 0.3053 MGD, which was 98% of the design limit.

The average monthly BOD loading in 2003 was 430.8 pounds per day. The highest monthly BOD loading for 2003 was 496 pounds recorded in January, which was 94% percent of the designed BOD loading. Raw wastewater flow to the Whiting plant is comprised of primarily domestic sewage, with limited industrial wastewater flow entering the system. Treated effluent is discharged to the Wisconsin River, west of the treatment plant. Sludge is aerobically digested at the plant and de-watered. The resulting sludge is land spread on agricultural lands.

The Village's 2003 Compliance Maintenance Annual Report had a score of 57 points. A score between 0 and 70 points places Whiting's wastewater treatment facility in the Department of Natural Resources (DNR) "voluntary range", which means that DNR actions or recommendations are unnecessary.

The 2003 Compliance Maintenance Annual Report identifies that no remedial actions are necessary to maintain effluent requirements contained in the WPDES permit at this time. The current WPDES permit expires December 31, 2006. The wastewater treatment facility is operating, on average, above 80% of capacity (89% for flow and 81% for BOD loading). The Village is presently concluding preparation of a facilities plan wastewater treatment plant upgrade for submittal to the DNR.

B. Sewage Collection System

The majority of the Whiting sanitary sewer collection system was installed between 1963 and 1964, and consists of approximately 62,000 linear feet of pipe. The Whiting treatment facility serves the entire developed area within the Village, as well the Stevens Point Area Public Schools offices located adjacent to the north of Whiting at 1900 Polk Street in Stevens Point, and residences along Elm Street and Elm Court in the Village of Plover.

Whiting's sewage collection system is a network of sewers used to collect liquid waste for subsequent treatment and disposal. The collection system consists of approximately 12 miles of sewer, which mainly consists of concrete; the newer sections of pipe are PVC, a heavy-duty plastic.

The sewage collection system has three lift stations: one each for Stora Enso and Kimberly Clark paper companies, and one for the River Pines Center on Sherman Avenue.

The sewage collection system is in good condition. There is a negligible amount of clear water infiltration into the sewage collection system. The Village of Whiting has a 20% / year maintenance program for sewer jetting and inspection. In 2003, one lift station had minor adjustments made to float switches.

C. Municipal Water

1. Municipal Water Supply

The Whiting Municipal Water and Sewer Utility operates 2 wells, which supply the Village's water. The Village's drinking water supply is obtained from underground aquifers that are replenished by precipitation moving through the soil. The Whiting well fields are located north and south of County Road HH at the east end of the Village, with potable water for Village residents pumped exclusively from wells located south of Cty Rd HH. Groundwater flows to the Village wells generally from the northeast. There are no remaining individual private wells being utilized for potable water.

Map 4.1: Wastewater Treatment Plant and Sewage Collection System

Map 4.2: Municipal Water System

a. Wells

As of August 2003, the water utility was serving approximately 667 residential, commercial and industrial customers and was utilizing approximately 38 percent of the total available pumping capacity of 0.864 million (864,000) GPD. The Village of Whiting also supplies water to residences on Elm Street and Elm Court, and 3401 and 3421 Tommy’s Turnpike Road within the Village of Plover, as well as the Stevens Point Area Public Schools offices located adjacent to the north of Whiting at 1900 Polk Street in Stevens Point. The City of Stevens Point supplies water to the portion of Whiting west of Whiting Avenue along Sherman Avenue (River Pines Center, Fireside Apartments, etc.).

Well Number 1 is a 16-inch diameter screened well with gravel pack that is 95 feet deep and rated at 1,150 gallons per minute (GPM).

Well Number 7 is a 16-inch diameter screened well with gravel pack located several hundred feet north of Well #1. It is 90 feet deep and rated at 900 GPM. (See Map 4.2).

Table 4.1: 2003 Water Pumpage, Village of Whiting Wells 1 & 7

Month	Well #1 Gallons Pumped	Well #7 Gallons Pumped	Total Gallons Pumped	Daily Average (gallons)
January	521,000	6,525,000	7,046,000	227,290
February	270,000	5,186,000	5,456,000	194,857
March	800,000	5,926,000	6,726,000	216,968
April	462,000	6,745,000	7,207,000	240,233
May	847,000	7,900,000	8,747,000	282,161
June	160,000	9,524,000	9,684,000	322,800
July	1,011,000	11,787,000	12,798,000	412,839
August	159,000	10,209,000	10,368,000	334,452
September	164,000	9,000,000	9,164,000	305,467
October	393,000	7,123,000	7,516,000	242,452
November	562,000	6,276,000	6,838,000	277,933
December	410,000	6,548,000	6,958,000	224,452
Total Pumped	5,759,000	92,749,000	98,508,000	269,885

Source: Village of Whiting

b. Nitrate removal system

State and Federal regulations advise that nitrate levels in drinking water not exceed 10.00 parts per million (ppm) for health reasons. The Village of Whiting first installed a nitrate removal system, consisting of three treatment units, in 1991. Two additional treatment units were added in 2004, resulting in five units in place for nitrate removal. Whiting treats a portion of its water supply, and then blends it with untreated water to bring the nitrate level to under 10 ppm.

c. Water Distribution System

The Village's water distribution system was installed between 1964 and 1966.

As of December 31, 2003 there was a total of 88,991 feet of water main within the Village of Whiting and a total of 689 water meters (Map 4.2). Table 4.2 below details the breakdown of pipe size and material, while Tables 4.3 and 4.4 describe the size and type of use of water meters. The Whiting Utility also maintains a total of 150 fire hydrants, with 316 distribution system valves. During 2003, all 150 hydrants were operated. None of the distribution valves were operated because the Utility was waiting for the arrival of new equipment. At year-end 2003, the equipment was in service, and valves will be operated in 2004.

Table 4.2: Description of Existing Village of Whiting Water Mains, 2003

Pipe Material	Main Function	Diameter In Inches	Number of Feet		
			First of Year	Added During Year	End of Year
M	D	4.00	935	0	935
A	D	6.00	45,323	0	45,323
M	D	6.00	2,313	0	2,313
P	D	6.00	1,304	0	1,304
A	D	8.00	6,767	0	6,767
M	D	8.00	1,329	0	1,329
P	S	8.00	485	0	485
A	D	10.00	919	0	919
M	S	10.00	478	0	478
A	D	12.00	18,207	0	18,207
A	S	12.00	243	0	243
A	T	12.00	40	0	40
M	D	12.00	10,648	0	10,648
Total Water Main within Water Utility			88,991	0	88,991

M = metal (non-lead); A = asbestos-cement; P = plastic; D = distribution; S = supply; T = transmission

Source: Whiting Municipal Water and Sewer Utility PSCW Annual Report for 2003

Table 4.3: Number of Whiting Water Utility-Owned Meters, 2003

Number of Utility-Owned Meters					
Size of Meter (in.)	First of Year	Added During Year	Adjustments (Decrease)	End of Year	Tested During Year
0.625	643	0	(1)	642	0
1.000	24	1	0	25	0
1.250	2	0	0	2	0
1.500	7	0	0	7	0
2.000	6	0	0	6	0
4.000	5	0	0	5	0
6.000	1	0	0	1	0
10.000	1	0	0	1	0
Total	689	1	(1)	689	0

Source: Whiting Municipal Water and Sewer Utility PSCW Annual Report for 2003

Table 4.4: Classification of Water Meters at End of 2003, by Customer Type

Size of Meter (in.)	Residential	Commercial	Industrial	Public Authority	Other Use	In Stock/ Deduct Meters	Total
0.625	595	33	1	1	0	12	642
1.000	4	17	1	0	0	3	25
1.250	0	0	0	0	0	2	2
1.500	0	1	3	2	0	1	7
2.000	0	4	1	1	0	0	6
4.000	0	0	2	1	0	2	5
6.000	0	0	0	0	0	1	1
10.000	0	0	0	0	1	0	1
Total	599	55	8	5	1	21	689

Source: Whiting Municipal Water and Sewer Utility PSCW Annual Report for 2003

A summary of Whiting's water consumption by user type for 2003 is shown in Table 4.5.

Table 4.5: Whiting Municipal Water Consumption 2003

User	Annual gallons	Daily Average (gallons)	Percent
Residential	34,474,000	94,449	9%
Commercial	8,788,000	24,077	2%
Industrial	354,417,000	971,005	88%
Public Authority	2,993,000	8,200	1%
Total Pumped	400,672,000	1,097,731	100%

Source: Village of Whiting

d. Water Storage

The Village's 250,000 gallon water tower was constructed in 1964. It was last inspected in 2002 by Dixon Engineering, who reported it to be in very good condition.

2. Industrial Water Supply

The Village also leases five other wells (3 to Stora Enso, and 2 to Kimberly-Clark) that are utilized for industrial process water.

a. Wells 5 and 6

The Kimberly-Clark Corporation – Neenah Paper Division uses water from Wells 5 and 6 for industrial purposes. These wells are 99 feet in depth and yield 780,000 GPD.

Table 4.6: 2003 Water Consumption, Wells 5 and 6

Kimberly Clark	Gallons Pumped	Daily Average (gallons)	Percent of Annual Usage
January	26,396,202	851,490	8%
February	18,191,300	649,689	6%
March	28,119,300	907,074	9%
April	25,199,404	839,980	8%
May	24,293,700	783,668	7%
June	25,754,600	858,487	8%
July	20,814,500	671,435	6%
August	26,889,964	867,418	8%
September	40,019,904	1,333,997	12%
October	32,743,660	1,056,247	10%
November	28,353,772	945,126	9%
December	31,086,880	1,002,803	9%
Total Pumped	327,863,186	898,255	100%

Source: Village of Whiting

b. Wells 2, 3 and 4

The Stora Enso North America - Whiting Mill uses water from Wells 2, 3 and 4 for industrial purposes.

Table 4.7: 2003 Water Consumption, Wells 2, 3 and 4

Stora Enso N.A. Whiting Mill	Gallons Pumped	Daily Average (gallons)	Percent
January	78,421,000	2,529,710	8%
February	82,518,000	2,947,071	8%
March	87,240,000	2,814,194	9%
April	58,194,800	1,939,827	6%
May	75,626,247	2,439,556	7%
June	85,744,345	2,858,145	8%
July	88,742,218	2,862,652	9%
August	83,744,345	2,701,430	8%
September	96,114,558	3,203,819	10%
October	96,252,611	3,104,923	10%
November	93,447,828	3,114,928	9%
December	83,744,345	2,701,430	8%
Total Pumped	1,009,790,297	2,766,549	100%

Source: Village of Whiting

3. Protection of the Municipal Water Supply

As previously described, The Village of Whiting well fields are located at the eastern edge of the Village, to the north and south of Cty Rd HH. Due to the municipal wells location, their associated recharge areas extend beyond the Whiting corporate limits. The wells are protected by wellhead protection ordinances from the Villages of Whiting and Plover and the City of Stevens Point as well as Portage County in the unincorporated areas. Map 4.3 below illustrates the extent of the Whiting well field protection zones.

a. Village of Whiting Wellhead Protection Ordinance

The Village of Whiting Wellhead Protection Ordinance was adopted in 1991, and includes a listing of permitted and prohibited uses within two specific zones of protection.

Overlay District A (Cone of Depression) includes all land within the Whiting Village limits within 1,500 feet of the boundaries of the Whiting well field.

Overlay District B includes the land which lies within the five year groundwater travel zone upgradient from the Whiting well field. The Five Year Time of Travel (TOT) for the Whiting well field is established at one (1) mile from the boundaries of the Whiting well field, as based on an average rate of groundwater flow of 1,070 feet per year in the Whiting recharge zone. Land use restrictions within District B are less restrictive than in District A because of longer flow time and a greater opportunity for containment, dilution and attenuation potential.

Please see the actual Wellhead Protection Ordinance texts for more information.

b. Wellhead Protection Beyond Village Boundaries

The Village of Whiting water supply is protected beyond the Village limits by similar wellhead protection ordinances that have been adopted by the Village of Plover, City of Stevens Point and Portage County. Please see the actual Village, City and County Wellhead Protection Ordinance text for permitted uses and restrictions.

The Village of Whiting should explore the feasibility of implementing the following: identification of existing and potential pollution sources; implementing management practices, such as the installation of monitoring wells and implementing an underground storage tank removal program; acquiring and/or maintaining lands that surround the well field in a natural state; and utilizing educational programming to aid in public understanding of groundwater protection.

D. Storm Water Drainage Facilities

The only storm sewers in the Village are located generally along Post Road and Cty Rd HH, and drain to the Plover River. In other areas, the Village utilizes roadway ditches to facilitate drainage. The catch basins within the Village are shown in Map 4.4. A limited number of surface drainage problems exist in the Village. Occasional drainage problems occur on Village streets during spring thaw, or during heavy or prolonged rains because the Village lacks a storm sewer and/or drainage ditch system.

E. Solid Waste Disposal

The Village of Whiting is one of a number of Portage County communities that are part of a consortium contracting with a private waste hauler through the Portage County Solid Waste Management Board for solid waste collection and disposal. The solid waste is currently hauled to the Portage County landfill. The Portage County landfill is scheduled to close in 2006, after which the waste will be trucked to a landfill in Marathon County. Newsprint, aluminum, tin cans, glass, magazines, plastic, etc. are also collected by the private contractor and are recycled as part of the Village's recycling program. "Spring clean-up" curb side pickup is currently provided as a service to Village residents for larger household items. The Village owns and makes available a composting site for residential yard waste. The compost site is located adjacent to the wastewater treatment plant.

F. Corporate Utilities

1. Natural Gas - Natural gas is available throughout the Village from the Wisconsin Public Service Corporation. Wisconsin Public Service offices are located in the Village of Plover, at 1101 Plover Road. Gas is provided to Wisconsin Public Service via the ANR Pipeline Company; the Portage County Urban Area receives its gas supply from the Rosholt Gate (located in Custer) and North Point Gate (located I-39/Sentry golf course).
2. Electric Power - Electricity is provided by the Wisconsin Public Service Corporation (WPS). An electrical substation is located in the northwest part of the Village on Whiting Avenue. WPS has received approval, from the Village of Plover, for a site west of Okray Avenue for an electrical station within the Village of Plover to meet the current and future needs.

Hydro-electric power is also generated at the Stora Enso Whiting Mill dam on the Wisconsin River. This generating plant, along with a similar operation at the Stevens

Map 4.3: Whiting Wellhead Protection Zones

Map 4.4: Storm Water Drainage Facilities

Point dam, are operated for Stora Enso by Consolidated Water Power Company. Power generated is consumed entirely by the Stora Enso mill.

3. Telephone Service - Local telephone service is provided primarily by SBC. Long distance, cellular and other specialized phone services are also available from a number of private firms. Cell tower and/or antenna facilities within the Village of Whiting are located atop the municipal water tower (see Map 4.2).
4. Cable Television - Cable television is provided by Charter Communications, which provides analog and digital cable services. In addition, Charter Pipeline provides high-speed internet access through existing cable lines.
5. Internet Service – is available to Village residents through a variety of sources.

Section 4.2 Analysis of Public Utilities Needs

To maintain the public health, economy and natural resource base of the Village, public utilities and services must be adequate for existing and planned development.

Whiting's public utilities and services were analyzed and the following recommendations were developed to ensure that the Village has the continuing capacity to serve existing and new development and that public utilities are provided in areas where they can be most efficiently and economically extended:

A. Wastewater Treatment Plant

The Village is currently conducting a Capacity Study as part of a possible treatment plant redesign and upgrade.

B. Sewage Collection System

The current maintenance program should be continued and expanded in the future if necessary.

C. Municipal Water System

The Village's municipal water system consists of the drinking water supply, which is obtained from a sand and gravel aquifer, a water distribution system and a water storage facility. Recommendations are provided in three sections: 1. Water Distribution System, 2. Water Storage Capacity, and 3. Groundwater Protection.

1. Water Distribution System

- Necessary water main work will be performed as a part of the upcoming Post Road/Bus. 51 reconstruction project.
- Emergency water connections should be maintained between Whiting and Stevens Point and the Village of Plover.

2. Water Storage Capacity

A study should be performed to determine if a second water tower is necessary to serve the municipal water needs.

3. Groundwater Protection

The Whiting Village Board is comfortable with the current level of protection provided for the Village wells by Whiting's and adjacent municipal groundwater protection ordinances. However, if the approximately 45 acre Stevens Point Area School District property located at the SW corner of Cty Rd HH and Hoover Avenue within the Village of Plover should develop as either residential or commercial (the most likely development scenarios), it could impact the Whiting wells. This concern should also be forwarded to School District and Village of Plover officials.

D. Storm Water Drainage Facilities

- The Post Road storm sewer will be reconstructed at the time of the Post Road/Bus. 51 reconstruction project.
- The outfalls where the storm drainage empties into the Plover River also need work, and this will also be completed as a part of the Business Highway 51 corridor project.
- A future engineering study may be needed to explore whether or not any portions of Whiting need drainage improvements or ditching, and perhaps where it may be feasible to install curb and gutter.

E. Solid Waste Disposal

The Whiting Plan Commission and Village Board are comfortable with the current solid waste disposal level of service.

F. Corporate Utilities

The Village Plan Commission and Board would like to be informed of future projects (e.g. line upgrades or new facilities) that may impact Whiting.

Section 4.3 Community Facilities Inventory

A. Village Facilities and Services (see Map 4.5)

1. Municipal Center - The Whiting Municipal Center, which was constructed in 1998, is located at 3600 Water Street. It houses the fire department, village offices, public works department and a meeting room. The Municipal Center serves as the polling place for the entire Village. The meeting room is used by several non-profit groups for meetings and various activities.
2. Police Protection – The Village does not have its own police department. The Portage County Sheriff's Department provides protective services through patrols and on a "call-out" basis.
3. Fire Protection - The Village's fire station is located in the Whiting Municipal Center. Fire protection is provided by a 24 person paid, on-call fire department, including a part-time fire chief and assistant fire chief. The Village's fire equipment includes rescue tools and air bags, 16 self contained breathing apparatus and 20 extra cylinders; and the jaws-of-life for industrial, farm and car accidents. The 2004 inventory is attached in Appendix E.

Map 4.5: Community Facilities, Parks and Open Spaces

4. Library - The Village of Whiting does not have its own public branch library. The main branch of the Portage County Library System, 1001 Main Street in downtown Stevens Point, is a little over 2 miles north of Whiting, while the Village of Plover branch, 2151 Roosevelt Drive, is approximately 3 miles south of Whiting. The library resources of the University of Wisconsin Stevens Point are also available for Whiting residents.
5. Public Parking – There is no public parking within the Village of Whiting.
6. Community Facilities and Services Needs/Issues

To maintain its attractiveness as a residential community, the Village must continue to provide a high level of community services and facilities. The following recommendations are offered to strengthen the Village's existing facilities and services and ensure that future improvement and building programs are economical and efficient.

- a. Municipal Center: Additional cold storage space is needed for Public Works, either at the Municipal Center or somewhere else.
- b. Police Protection: Maintain the level of service received from the Portage County Sheriff's Department.
- c. Fire Protection: The Village Board is relatively comfortable with the current level of service, although there may be a need for a new rescue truck.
- d. Library: The Village Board is comfortable utilizing the library facilities located in the Village of Plover and City of Stevens Point.
- e. Parking: The Village Board does not anticipate adding municipal parking for the duration of the planning period.

B. School Facilities

1. Stevens Point Area Public School District

The Stevens Point Area Public School District includes the City of Stevens Point, Villages of Whiting, Plover, Park Ridge, Amherst Junction, Junction City; Towns of Linwood, Hull, Eau Pleine, Dewey, Carson, Grant, Buena Vista, Plover, Sharon, and Stockton; as well as the Wood County Towns of Milladore and Sherry.

The Stevens Point School District is the 14th largest district in the State of Wisconsin and serves a population of approximately 50,000 and employs staff of over 900. The student enrollment for the 2003-2004 school year is approximately 7,400.

The Stevens Point School District consists of ten K-6 grade elementary schools, two 7-9 grade junior high schools, and one 10-12 grade senior high school and an alternative school. Three charter schools lie within the secondary schools. Three of the elementary schools are charter schools and three additional elementary schools have applied for charter status. In addition, the 45-acre Boston School Forest and 40 acre Halladay School Forest are educational facilities used by students for environmental education programs throughout the school year.

The Stevens Point Area Public School District covers nearly 400 square miles, so transporting students is a significant activity and expenditure. During the 2002-2003 school year, the transportation department bused nearly 7,000 students to public and private schools with a fleet of 79 districted-operated buses and 1 contracted bus traveling 1.2 million miles. Typically, the district's annual cost for busing is about two-thirds of the state average, with a district budget of \$2.6 million.

McDill Elementary School lies within the boundaries of the Village of Whiting. McDill was built in 1953, and was doubled in size with the building of an addition in 1988. The school is 56,600 square feet in size and sits on 16.2 acres of land. McDill Elementary serves approximately 379 children and employs 65 staff members (2003-04 school year).

Ben Franklin Junior High School is located in Stevens Point adjacent to the northern border of the Village of Whiting. It was constructed in 1968, with an elevator being added in 1986. Ben Franklin is 140,440 square feet in size, and sits on 42.25 acres of land. This junior high school serves approximately 890 students and employs 110 staff members (2003-04 school year). See Map 4.6.

Since 1996 every school and district building has had additions and/or remodeling except PJ Jacobs and the Bliss Educational Service Center (administration office building). In 1995, classrooms and the commons were added on the PJ Jacobs. The Bliss Center was built in 1980 adjacent to Ben Franklin, and no additions have been constructed on this 13,431 square foot building.

School facilities are a major benefit to Village residents. School playgrounds and equipment provide a wide variety of recreational activities that supplement Village parks. The schools' organized athletic programs play an important role in the community, as a major source of recreation and as a focal point of community pride and identity.

2. Parochial School System

The Stevens Point Area Catholic Schools (SPACS) have been educating students in Portage County for the past 130 years. The schools are comprehensive with a strong emphasis on college preparation; 90% of students go on to attend post secondary school, most of which are four-year colleges and universities.

SPACS currently has six schools involved in the program: four Elementary Schools (Saint Stanislaus, grades K-2; Saint Stephen, grades 3-5; Saint Bronislava, grades preschool-5; and Saint Joseph early childhood, preschool and year-round childcare); St. Peter Middle School, grades 6-8; and Pacelli High School, grades 9-12. For the 2003-04 school year 940 students were enrolled in SPACS, preschool through 12th grade.

St. Paul Lutheran School serves 200 students in pre-Kindergarten through eighth grade with nine full time teachers, including a Principal and Assistant Principal who also have teaching duties. The early childhood program offers classes for 3-4 and 5-year-old children not yet enrolled in kindergarten. Northland Lutheran High School, located in Mosinee, serves the central Wisconsin region.

Two other private school options are available within the Portage County Urban Area. Branch Christian School, which is affiliated with the Seventh Day Adventist Church located within the Village of Whiting, accepts students in grades one through eight. The Stevens Point Christian Academy, located just west of the city limits on Hwy 10, offers instruction for grades K through twelve.

Map 4.6: Area School Facilities

3. Mid-State Technical College

Mid-State Technical College (MSTC) is one of 16 publicly supported colleges in the Wisconsin Technical College System. Approximately 16,000 full- and part-time students enroll annually. MSTC offers technical training in nearly 50 careers by granting one- and two-year technical diplomas and two-year associate degrees in four areas: business, health, service technologies, and technical & industrial. In addition, MSTC also awards certificates for the successful completion of a single course or a combination of courses. The Mid-State Technical College District includes full-service campuses in Marshfield, Stevens Point, and Wisconsin Rapids; a center in Adams; and several outreach sites.

4. University of Wisconsin-Stevens Point

Since 1894 when Stevens Point Normal School opened its doors to 300 students, the University of Wisconsin–Stevens Point has grown to become a major comprehensive university, with about 8,700 students enrolled. Its academic programs offer 100 choices within 51 majors and 78 minors plus 16 graduate programs. UWSP is home to four colleges (fine arts and communication, letters and science, natural resources and professional studies), and is accredited by the Higher Learning Commission of the North Central Association of Colleges and Schools. In addition, the UWSP has initiated a variety of innovative, regionally, or nationally recognized programs, including the National Wellness Institute, the Center for the Small City, the Central Wisconsin Economic Research Bureau, Becoming an Outdoors Woman, Environmental Education, the American Suzuki Talent Education Center, and the UWSP International Programs.

The 400-acre main campus includes seven major buildings in addition to Old Main, UWSP's administrative building, the University Center and 13 residence halls housing approximately 3,000 students. North campus includes Schmeckle Reserve, a 225-acre nature area with a 24-acre lake, nature center and trails that are part of Portage County's 30+ mile Green Circle Trail.

The Stevens Point campus is part of the University of Wisconsin System that includes 13 four-year campuses, 13 two-year centers and the University of Wisconsin-Extension. The University of Wisconsin system represents one of the finest educational institutions in the world. Access to information and research on virtually any topic is available.

In 2004, the University of Wisconsin-Stevens Point placed among the top public universities in the Midwest. The publication U.S. News & World Report ranked UWSP number seven in the top tier of Midwestern public master's degree-granting institutions. This was the fifth consecutive year that the university placed in the top ten. U.S. News and World Report uses several criteria in rating the campuses including academic reputation, retention, faculty, students, financial resources and alumni giving.

5. School Facility Needs/Issues

Any plans for either a second high school or second school district should NOT split the Village of Whiting into two different districts or school attendance areas.

C. Parks and Recreation and Open Space

1. Village Park Facilities

Whiting has an adopted Park and Recreation Plan (1998 – 2002), which contains a description of facilities, needs, and recommendations. The following information is taken in part from that plan. See previous Map 4.5.

a. Whiting Park - 73 Acres

Whiting Park is a major community (urban area) park within the Village and Stevens Point urban area. The park provides direct access to the Plover River and contributes positively toward the protection of the Plover River below McDill Pond. Facilities provided in Whiting Park include the following:

One (1) Babe Ruth baseball diamond	Play apparatus
One (1) Little League baseball diamond	Small craft boat launch
Picnic area in upper and lower park	Nature/hiking trails (Green Circle)
Restrooms (in lower park only)	Parking facilities
Ice skating rink in Lower Park	

In early 2004 the Village of Whiting purchased property at the western edge of Upper Whiting Park from Stora Enso North America. This purchase included a pedestrian bridge across the Plover River.

b. Public Water Access To McDill Pond (Plover River) - School Street

This water access point was dedicated for public use as required by Wisconsin Platting Statutes. Public access to the Plover River at this location is very poor due to the severity of slope from the street elevation down to the water level. In addition, the only parking available to the users of this access point is on-street parking. In spite of these shortcomings, the access point does receive heavy use by ice fishermen, snowmobilers, and skaters during winter months.

c. Public Water Access To McDill Pond (Plover River) – Bus. Highway 51 (Causeway)

This water access site originally resulted from a widening of the right-of-way for Post Road. During the 1982 reconstruction of the causeway and bridge over the Plover River, the Wisconsin Department of Transportation improved the access point by paving the boat landing area and providing a designated parking lot. The Village of Whiting needs to resolve who owns the boat landing. The site receives heavy use in all seasons in the form of boat launching, fishing, swimming, and picnicking. The potential does exist for this access point to become a traffic hazard as traffic volumes continue to increase on Post Road.

d. Village Wellfield

The Village's wellfield encompasses approximately 142 acres and is located in the eastern part of the Village. Approximately 48 acres lie north of Cty Rd HH, while approximately 94 acres are located south of Cty Rd HH. Because this area is intended to remain in an undeveloped state, the wellfield provides a large open space area and is currently being utilized for passive recreational opportunities. The Green Circle Trail extends along the western property line of the wellfield and connects the Mainland Segment of the Trail to the Parkwood Subdivision.

e. Stora Enso land purchase

f. Water Tower Park

An approximately 3/4 acre park which contains a play structure, picnic table and benches.

g. Fishing Area at Whiting Avenue Bridge

There is an area owned by both Whiting and Kimberly-Clark Corporation that occupies the road bed vacated when a new bridge was constructed across the Plover River for Whiting Avenue that is used by residents for fishing. The Village would like to construct a handicapped-accessible pier at this location (see Map 4.7).

2. School Recreation Facilities (acreage listed reflects area devoted to recreation only)

a. Benjamin Franklin Junior High School – 14 acres

This school site serves as a recreation lot for residents in the northwest corner of the Village. The school is located within the City of Stevens Point, just north of the Village limits. Facilities provided at Benjamin Franklin include:

One baseball field	One softball field	Two football fields
Six basketball goals	One running track	Nature trail

b. McDill Elementary School – 4 acres

McDill School serves as a neighborhood park for Village residents who reside east of Business Highway 51 (Post Road). Facilities provided at McDill School include:

Four basketball goals	Play apparatus	Hardcourt play area
Playfield / soccer field	Community gardens	

3. Green Circle Trail (Approximately 7 miles within the Village boundaries)

The Green Circle Trail is an approximately 30-mile pedestrian/bicycle recreational trail that encircles the Stevens Point urban area. Existing trails located along the Wisconsin River between Bukolt Park and the River Pines Living Center facility on Sherman Avenue formed the foundation of the trail, which was eventually linked with additional public property and private property easements throughout Stevens Point, the Villages of Whiting and Plover, and the Town of Hull.

The Green Circle Trail is intended to meet the growing recreational needs of area residents and provide access to open spaces, close to where these people live. The trail will provide for activities including bicycling/bicycle trails, roller blading, jogging, cross-country skiing and nature study, which have experienced dramatic growth in popularity, but have not been typical responsibilities of area recreation managers.

Map 4.7: Site Plan for Handicapped-Accessible Fishing Pier

The Green Circle Trail as completed accomplishes three goals:

- a. The construction of a multipurpose trail network, accessible to all area residents and visitors, that will provide new recreational opportunities consistent with local needs as called for by the President's Commission on Americans Outdoors and defined by the Stevens Point Comprehensive Outdoor Recreation Plan.
- b. Preserve and enhance the natural diversity of undeveloped land in and around Stevens Point, particularly the Plover River and Wisconsin River Corridors.
- c. Encourage appreciation and understanding of the natural and cultural history of the Stevens Point Urban Area.

4. Koziczkowski Park - 10 Acres (City Of Stevens Point)

Koziczkowski Park is a City of Stevens Point park located directly adjacent to the Village, on the north side of McDill Pond. This neighborhood park is located on scenic frontage of McDill Pond and contributes to the greenbelt character of the Pond. The major detractor from this park is power lines that run through it. Facilities provided in this park include:

Play equipment	Picnic area	Volleyball court
Play area, Play field	Water access	Nature trail

5. Park, Recreation and Open Space Needs/Issues

- The lower park parking area was redone, and ball diamonds reworked, in 2003; an ice skating rink should be considered.
- Pedestrian and bicycle access (trail, not sidewalk) east along Cty Rd HH from the Green Circle to Hoover Avenue, (one side, maybe two sides of the road) is desired.
- Any policies drafted for the Comprehensive Plan should reflect needs and issues identified within the Village of Whiting adopted Park and Recreation Plan.
- Handicapped fishing pier where the Plover River meets the Wisconsin River is needed.
- Additional study and consideration must be completed by the Village if and when Stora Enso, Kimberly-Clark, or some other large landowner decides to liquidate a sizeable tract of land, making it available for development. Discussion will involve the merits of purchase by Village for park/open space purposes.

D. Other Community Facilities and Services

1. Senior Centers. There are no senior activity centers within the Village boundary. The Lincoln Senior Citizen Center is located approximately two miles north of Whiting, at 1519 Water Street in Stevens Point.
2. Cemeteries. There are no cemeteries within the Village boundary. McDill Cemetery is located along the eastern boundary of the Village on Cty Rd HH, and several are located in adjacent Stevens Point and Plover.

3. Churches. The Seventh-Day Adventist Church is located at 1510 Sherman Avenue. Several dozen are located in adjacent Stevens Point and Plover.
4. Health Care Facilities. Given its central location within the Urban Area of Portage County, the Village of Whiting has access to a wide variety of health care facilities. The Village itself is home to several dentists and other medical services offices, as well as the River Pines Center. St Michael's Hospital, with the attached Rice Medical Center, is located approximately two miles north of Whiting in Stevens Point. Rice Medical Clinic Plover Family Practice is located 3 miles to the south of Whiting. Both Stevens Point and Plover offer a full line of medical-related services.
5. Child Care Facilities. The Great Escapes child-care program is run by the YMCA at McDill Elementary School.
6. Other Community Facilities and Services Needs/Issues
 - a. There were none identified by the Plan Commission.

Section 4.4 Utilities/Community Facilities Goals, Objectives and Policies

A. Public Utilities and Services Goals, Objectives and Policies

1. Goal

To provide sanitary sewer, water and other necessary public utilities to existing and planned future development in an efficient and cost effective manner.

2. Objectives

- a. Encourage the provision of public utilities in areas that can be most efficiently and economically served.
- b. Promote the extension of public utilities only in areas environmentally suitable for urban development.
- c. Promote the fair and equitable distribution of benefits and costs for future public utility upgrades and expansions.

3. Policies

- a. The Village should complete an analysis of current Sewage treatment plant capacity, and plan for its future sewage treatment needs in the best interests of the Village of Whiting.
- b. A capital improvements program should be developed to complement land use strategies of the Comprehensive Plan. (A capital improvements program should be updated and reviewed on a regular basis.)
- c. Land developers should be responsible for the cost of providing facilities and services in order to promote the fair and equitable distribution of costs and benefits.
- d. Maintain and protect the quality of the Village water supply.
- e. Work with adjoining municipalities to coordinate future growth and development.

B. Community Facilities Goals, Objectives and Policies

1. Goal

To maintain and provide community facilities and services that will make Whiting a more attractive community in which to live and work.

2. Objectives

- a. Provide adequate fire protection to all areas of the community.
- b. To provide/promote adequate ambulance and emergency medical services to all areas of the community.
- c. Encourage the provision of a wide variety of social, cultural and educational activities for the benefit and enjoyment of all residents.
- d. Village officials should periodically communicate with Stevens Point Area Public Schools officials any education-related issues or concerns regarding Whiting students.

3. Policies

- a. The Village of Whiting should continue to provide fire protection services that will attain the highest levels of efficiency in providing for the safety and welfare of residents.
- b. An effective capital improvements program should be implemented to insure long range financial planning for needed public facilities.
- c. Make Stevens Point Area Public Schools aware of Whiting's desire to not be split into two different districts or school attendance areas.

C. Recreation and Open Space Goals, Objectives and Policies

1. Goal

Ensure that adequate open space and recreation facilities are provided for and made accessible to all the residents of Whiting through implementation of the Village Park and Recreation Plan.

2. Objective

Additional study and consideration must be completed by the Village if and when Stora Enso, K-C, or some other large landowner decides to liquidate a sizeable tract of land, making it available for development. Discussion will involve the merits of purchase by Village for park/open space purposes versus private development.