

QUALITY PUBLIC SERVICES

Wayne's public facilities and infrastructure should be managed and directed to encourage new development, solve existing problems and support the needs of its current residents. This section examines Wayne's vital infrastructure and public facilities and suggests modifications to assure continued service to the city as it grows.

Public Facility Inventory and Analysis

The City of Wayne provides key services through a variety of city-owned buildings and facilities. The following section presents an inventory and evaluation of these varied facilities. The assessment of each facility is based on existing conditions and potential community needs. Proposed or desirable changes in facilities and services are noted.

Wayne City Hall

The City of Wayne moved into its current location at 306 Pearl Street in 1976. The four story brick structure was originally constructed as the community hospital. All city administrative services and the police station are located in the building. The first floor and a portion of the second floor are occupied by the police department. The remainder of the 2nd floor and the entire 3rd floor are occupied by city administrative offices. The information technology, city planning/engineering and maintenance offices, a lunch room, and storage occupy the fourth floor.

Evaluation

The building is well built, fairly efficient and in good condition. Since 1976 there has been one major renovation, which took place in 1999, when the police department moved into the basement and expanded the dispatch area. The roof and building generator will need to be replaced during the planning period.

Recommendations

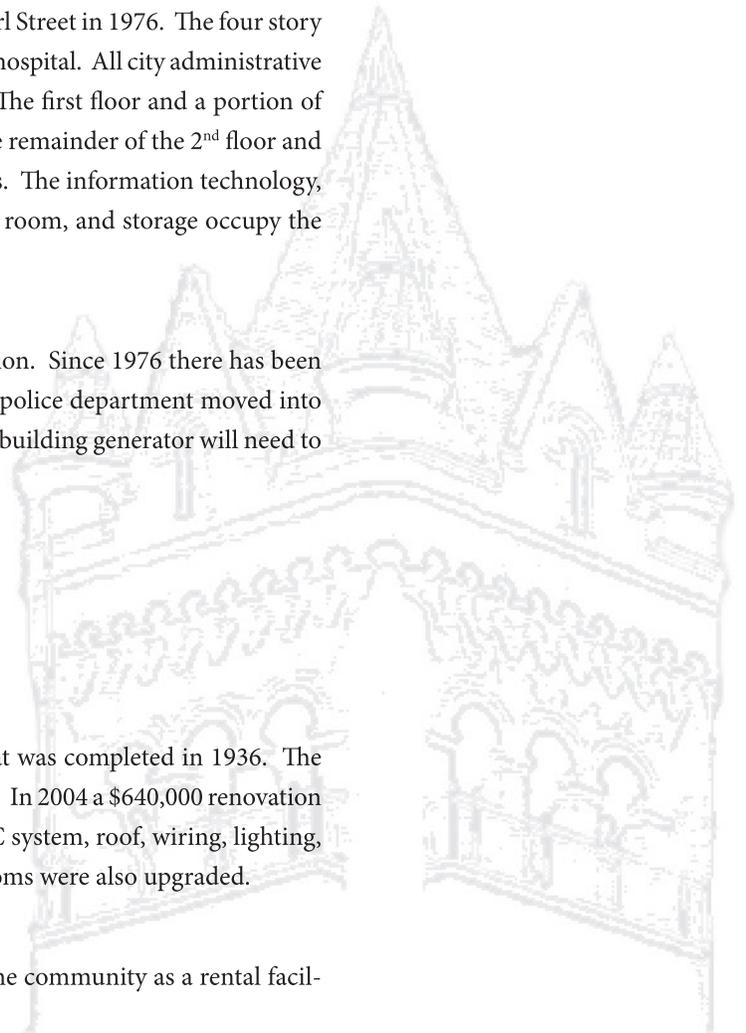
- Continue routine maintenance.
- Replace roof as needed.
- Upgrade and replace building generator.

Wayne City Auditorium

The Wayne City Auditorium is a historic WPA building that was completed in 1936. The building includes meeting space, restrooms, gym, and a stage. In 2004 a \$640,000 renovation of the building was completed. Work included a new HVAC system, roof, wiring, lighting, and windows. The gym floor and ceiling, doors, and restrooms were also upgraded.

Evaluation

The building is in excellent condition and heavily used by the community as a rental facility.



Recommendations

- Continue routine maintenance.
- Due to heavy use of the facility the city may need to hire a cleaning crew to periodically complete a more thorough cleaning of the building.

Fire Station

The Wayne Fire Hall is located in a new 16,200 square foot steel building that was opened in 2002. The building has ten bays, including two drive-through bays and parking for 14 vehicles. There is a kitchen, restrooms, lounge, offices, laundry, and two work rooms. The building also includes a mezzanine area that is used for storage. There are 80 parking stalls, including handicap accessible stalls. The building is also handicap accessible with accessible restrooms. The department averages 35 to 40 volunteers with a maximum of 46.

Evaluation

The building is in excellent condition with only routine maintenance needed. Some of the equipment, including the pumper truck and aerial, are over 20 years old and will need to be replaced in the short term.

Recommendations

- Continue routine maintenance on the fire hall.
- Replace pumper truck.
- Identify replacement plan for aerial ladder truck based on continued need for this type of truck.

Police Department

The police department is located on the main floor and basement of the Wayne City Hall. The department's facilities consist of dispatch, booking, a kitchen, and small holding room on the main floor. The supervisor's office, storage, and squad room are located in the basement. The department also has some storage on the 4th floor and a small impound lot at the city yard. The department moved into the basement in 1997 and renovations were completed on the dispatch center in 2000. During regular business hours the building is handicap accessible but the rear entrance ramp is locked after 5:00 pm. Department staff includes the chief, one sergeant, one lieutenant, six officers, and five dispatchers. There are three marked vehicles and one un-marked vehicle.

Evaluation

The building is in good condition with some room for expansion on the first floor. The amount of space for officers in the basement would make it difficult to expand the department personnel. Some equipment will need replacement in the coming years including cruisers, a back-up generator for the building, and the back-up battery for the radio system. Although storage space on the 4th floor is limited, it could be used more effectively.

Recommendations

- Establish routine replacement program for cruisers.
- Identify a new site for the impound lot that could be more easily secured.
- Replace building generator and battery back-ups for the radio system.
- Install storage and filing system to better utilize space on the 4th floor.



- Identify ways to improve accessibility to the building.
- Work with the county to identify any opportunities for a joint use facility.

Wayne Public Library

The Wayne Public Library is located at 410 Pearl Street and was opened in 1997 as a joint facility with the Senior Citizens Center. The library portion of the building has roughly 6,400 square feet. The library was first organized by the local women's group in 1902 and was located in the County Courthouse. The city took over the library in 1910 and moved to the Carnegie Library in 1913.

In addition to the collection space, the library contains a commons area, offices, and a conference room that is shared with the senior center. The library has strong children's, large print, and audio book collections. Material circulation for 2004-05 fiscal year was 58,315 pieces or 10.4 per capita. There is one full time staff member and six part time employees.

Evaluation

The building is in good condition with some minor roof leakage. The library is in a period of major growth, as circulation and patron visits exceed planned expectations. Technology has been a huge growth area for the library, with internet use increasing nearly six fold between 1998 and 2005. Library programs have also seen strong growth with 65 kids attending story time in 2006 compared to eight kids in 2000. This growth has put a strain on both the building capacity and staff. Every available space is used with no room for additional programs or expansion of the collection. A cutback in the Library's funding level means that it does not meet all of the requirements for its current accreditation. Although the Library will be re-accredited at its current level this should continue to be monitored.

Recommendations

- Continue routine maintenance on the building.
- Identify ways to expand the services and collection of the library including use of off-site facilities.
- Provide additional staffing to support additional services and off-site staffing needs.

Senior Center

The Wayne Senior Center is located at 410 Pearl Street and is attached to the Library. The building opened in 1997 and provides a dining area; kitchen, billiards, and quilting rooms; office space; computer room; and shared bathrooms and conference room with the library. The Center provides lunches catered from Providence Medical Center, Meals-on-Wheels, shuttle services, and numerous other programs. Staff includes one full time director, one part-time assistant, a senior center aid, and two bus drivers. The Center has roughly 140 volunteers that log over 300 hours per month.

Evaluation

The facility is in excellent condition and meeting the centers needs. Some minor roof leakage should be monitored and addressed as needed.

Recommendations

- Continue routine maintenance on the building.



Chapter Six

- Identify ways to expand the services as needed.

Wayne Public Schools

The Wayne Public School district covers 97 square miles and includes portions of Wayne, Cedar and Dixon counties. In 1956 the Carroll School district merged with Wayne and maintained an elementary school in Carroll for many years. Today, the district's facilities are all located in Wayne and consist of the K-4th grade Elementary School (612 Schoolview Drive), 5th – 8th grade Middle School (312 Douglas Street), and 9th-12th grade High School (611 West 7th Street). The district also maintains two portable buildings used for technology support and storage. Due to the large coverage area of the district, the school operates six regular bus routes and several routes for children with disabilities. The district's 2005-2006 enrollment is 864 and has been slowly declining over the past several years, due mostly to a decreasing rural population. The district maintains inter-local agreements with both Wayne State College and the City of Wayne for shared facilities.



Evaluation

Passage of a local bond in the late 1990's funded significant improvements to the district's facilities. These included renovation and a large addition to the Middle School, and upgrades at the elementary and high schools. Future projects for the district include completion of the air conditioning system at the high school and expansion of services to include a pre-school.



Recommendations

- Continue inter-local agreements with both Wayne State College and the City of Wayne.
- Work with the City of Wayne to determine the feasibility of expanding the Community Activity Center to provide additional services to both the city and school district. Shared facilities between the Activity Center campus and high school campus could include a swimming pool, meeting space, and parking.
- Complete space planning to determine the ideal location for a future pre-school program.
- Work with surrounding school districts to provide cooperation in technology, maintenance, busing, shared teachers, and distance learning.
- Complete installation of air conditioning at the high school.
- Identify ways to increase overall district enrollment in order to provide additional property tax dollars to the district and to fully utilize existing infrastructure. These approaches could include identifying ways to expand affordable housing for young families in the Wayne area.

Wayne Municipal Airport

The Wayne Municipal Airport, located on the east side of the city covering approximately 281 acres, was opened in 1944. In 1998 the Airport Authority lost its taxing authority and has since been funded through the city. The airport is considered a regional airport because of the facilities, operations per year, and local and regional economic contributions. The primary runway, Runway 17/35, is 4,200 feet long and 75 feet wide and constructed of asphalt. The



crosswind runway is 3,407 feet long and 60 feet wide. There is a third grass runway that is 2,000 feet long and 120 feet wide. The paved runways are both lit. An Automated Weather Operating System (AWOS) was installed in 2005. The facility also includes three T-hangers, a 10,000 square foot maintenance shop, an old Quonset hanger, a storage building, an office, and a two-story house for the FBO (fixed base operator). The airport, has 27 based aircraft and experiences approximately 36,000 aircraft operations annually.

Evaluation

Overall the airport is in good condition and receives positive comments from users. Except for the older Quonset hanger, the hangers and other buildings are in good condition,. Most of the hanger space is rented out with the most recent addition to the hangers made in 2001. The pilots lounge and bathrooms are not handicap accessible; however, the restrooms in the maintenance shop are accessible. The runways are maintained annually and the crosswind runway is scheduled to be overlaid in 2007. The crosswind lighting is 20 years old and will need to be replaced. The airport will need to expand the buffer area around the runways.

Recommendations

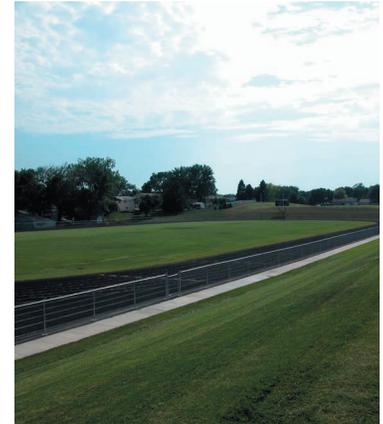
- Continue routine maintenance.
- Complete crosswind runway work including new lighting and overlay.
- Complete acquisition of a no build easement that will meet all buffer requirements.
- Evaluate the economic impact of adding jet fuel and the resulting runway extension.
- Expand marketing of the airport to continually increase utilization of the facility.

Wayne Community Activity Center

The Wayne Community Activity Center was a \$4.2 million project that opened in November of 2002. It was funded through a 1% city sales tax, grants, and private donations. The 38,000 square foot facility includes a gymnasium, Youth Center, fitness room, community room, locker rooms, three offices, front counter, indoor batting cage, golf area, and vending/concession area. The 15,000 square foot gymnasium has two regulation sized basketball courts that can be divided into 4 crosscourts, a drop-down multi-purpose hitting cage and a three lane walking track. The 2,400 square foot Youth Center is a supervised environment for youth in grades 5-12. The Youth Center provides game tables, three video game stations, board games, and a sitting area with a large screen TV and DVD player. The fitness room covers 1,800 square feet and provides a variety of exercise equipment. The 1,800 square foot community room is available for meetings, dances, aerobic activities, and is available to the public to rent. The center has 10 employees (only 1 full-time) and 3 volunteers, which along with the expanded facility has allowed the city to expand its youth and senior programs.

Evaluation

The Activity Center is in excellent condition. Parking was reduced from the initial plans for the site, which does create some issues during larger events. Demand for the facility has met and exceeded expectations and could support expansion of the fitness room and community room. Phase II of the Center includes a new pool, racquetball courts and an additional gym.



Recommendations

- The city should continue routine maintenance and identify opportunities for completion of Phase II. Funding for Phase II could be done through extension of the local option sales tax, fund raising, or additional user fees.
- Continued growth in the Recreation Departments programs will require a second full-time employee.



Public Works Shop and Office

The Public Works shop and offices on Fairgrounds Road is a 22,000 square foot steel structure with 18 bays. The 10 year old building is handicap accessible and has on- and off-street parking. The salt dome is also located at this site. The former street shop, located west of the power plant is now used for storage. Public Works also has a small storage building in the southwest corner of Hank Overin Field which is used by the Water Department for storage. The city's yard facility is located east and north of the treatment plant. All of the city's equipment is stored at one of these facilities. Much of the equipment has not been replaced as scheduled. This includes aging loaders and snow blowers.

Evaluation

The city's facilities are all in good condition. The new shop and office has room for expansion and the older shop works for storage; however, it may need additional work if used more extensively. The city's equipment is aging and will need to be updated and replaced in the coming years.

Recommendations

- Continue routine maintenance of existing facilities.
- Establish and implement routine replacement program for all equipment.
- Building and landscaping improvements should connect the building to the downtown.

Transfer Station

The City of Wayne's solid waste transfer station is located west of Windom Street in the southeast quadrant of the city. All solid waste in the city is collected by private haulers and brought to the transfer station before being transported to the Jackson landfill. The metal building was expanded in 2000 and also takes in recyclables. The city also takes yard waste delivered by individual residents.

Evaluation

Overall, the facility is in good condition. The size of the station is currently meeting the city's needs but it is lacking a scale. A scale could significantly increase the efficiency of the facility.

Recommendations

- Continue routine maintenance.
- Install a scale to increase accuracy and efficiency of trucks leaving the facility.
- Implement a composting program for residential yard waste that could be used by both residents and within city parks.



Public Facility Priorities

From the above analysis specific priorities were identified. These priorities include:

- Replacement of the fire department's pumper truck.
- Address library space needs by identifying alternative service outlets.
- Re-establish routine replacement programs for all city equipment.
- Address accessibility issues at City Hall for after-hours visitors.
- Replace City Hall's generator.

Infrastructure Inventory and Analysis

This section presents an inventory and evaluation of the city's existing infrastructure systems. It includes water distribution and storage, wastewater collection and treatment, electrical systems, and solid waste disposal.

Water Supply

Water is supplied to the city of Wayne through six wells that pump directly into the distribution system. The two oldest wells (Numbers 4 and 5) are located in town. These wells have higher nitrate levels and are used for emergency purposes only. Wells Numbers 6 and 7 are located near the golf course and were constructed in the 1970s. Well number 6 also has higher nitrate levels but is just below the standards and can be blended within the system. The city's primary wells, numbers 9 and 10 are located approximately seven miles north of town. These two newer wells (1988 and 1990) pump 93-95% of the annual total pumpage into the distribution system.

The wells pump between 330 and 1,150 gallons per minute (gpm) with the system reaching 1,600 gpm. The wells are radio controlled by the water tank levels within the two existing storage tanks. The system is served through one pressure district with no booster pumps.

Evaluation

The wells are all in good condition. The city completed a Water System Master Plan in 2001, which determined that the well field capacity could meet 2020 demand but that an additional well should be installed. This additional well would further decrease the use of those wells with higher nitrate levels.

Recommendations

- Continue routine maintenance on all wells and pump houses.
- Install replacement well as needed.
- Continue monitoring water quality and federal regulations for water treatment.

Water Mains

Wayne's water distribution system is constructed of cast iron or ductile iron materials, with some newer PVC extensions. The mains range from 2-inches to 12-inches with one 16-inch transmission main from the northern well field. The oldest portions of the system date from the 1930s and 1940s. There are approximately 17 dead-end lines in the city. The system is



fully metered with remote readers. There are 262 hydrants that are maintained by city staff. The normal operating system pressures ranges from 36 psi to 91 psi.

Evaluation

Overall the system is in good condition. The dead-end lines can cause a reduction in water quality and fire flow protection. The city's meters are over 20 years old and will need to be replaced. The hydrants are flushed every fall and valves are exercised every three years. The 2001 Water System Master Plan reported that some of the system valves are inadequate and that some fire hydrants lacked appropriate hydrant branch valves. The existing 16 inch transmission main is the only line connecting the northern well field and the city. If this line goes down, the city would be challenged to provide adequate water supplies into the city.

Recommendations

- Establish water meter replacement program.
- Continue routine maintenance on the system.
- Loop dead-ends where feasible.
- Address all water main improvements outlined in the Water System Master Plan.
- Upgrade 4-inch lines in the downtown in conjunction with the Highway 15 project.



Water Storage

The city maintains one 500,000 gallon elevated storage tank (1988) and one 750,000 gallon standpipe (1971). The elevated tank is located along 14th Street in the northeast quadrant of the city. The standpipe is located north of the cemetery in the northwest quadrant of the city.

Evaluation

The water tower is in good condition and has recently been painted and leveled. The standpipe does have some pitting and pressure issues. The standpipe is at a higher elevation but a substantial percentage of its height is not usable for hydraulic purposes. For this reason the city only has about 808,000 gallons of usable storage volume consisting of 500,000 gallons from the tower and 308,000 gallons from the standpipe. The Water System Master Plan determined that the city's future storage needs will total 1,090,600 gallons based on average day demand. Therefore, the city will need to add 300,000 gallons to its storage capacity prior to 2020. The standpipe also can not provide sufficient water pressure to sites west of Pheasant Run Road because of the higher elevation of this area. Current plans for the standpipe include painting and installation of an overflow.

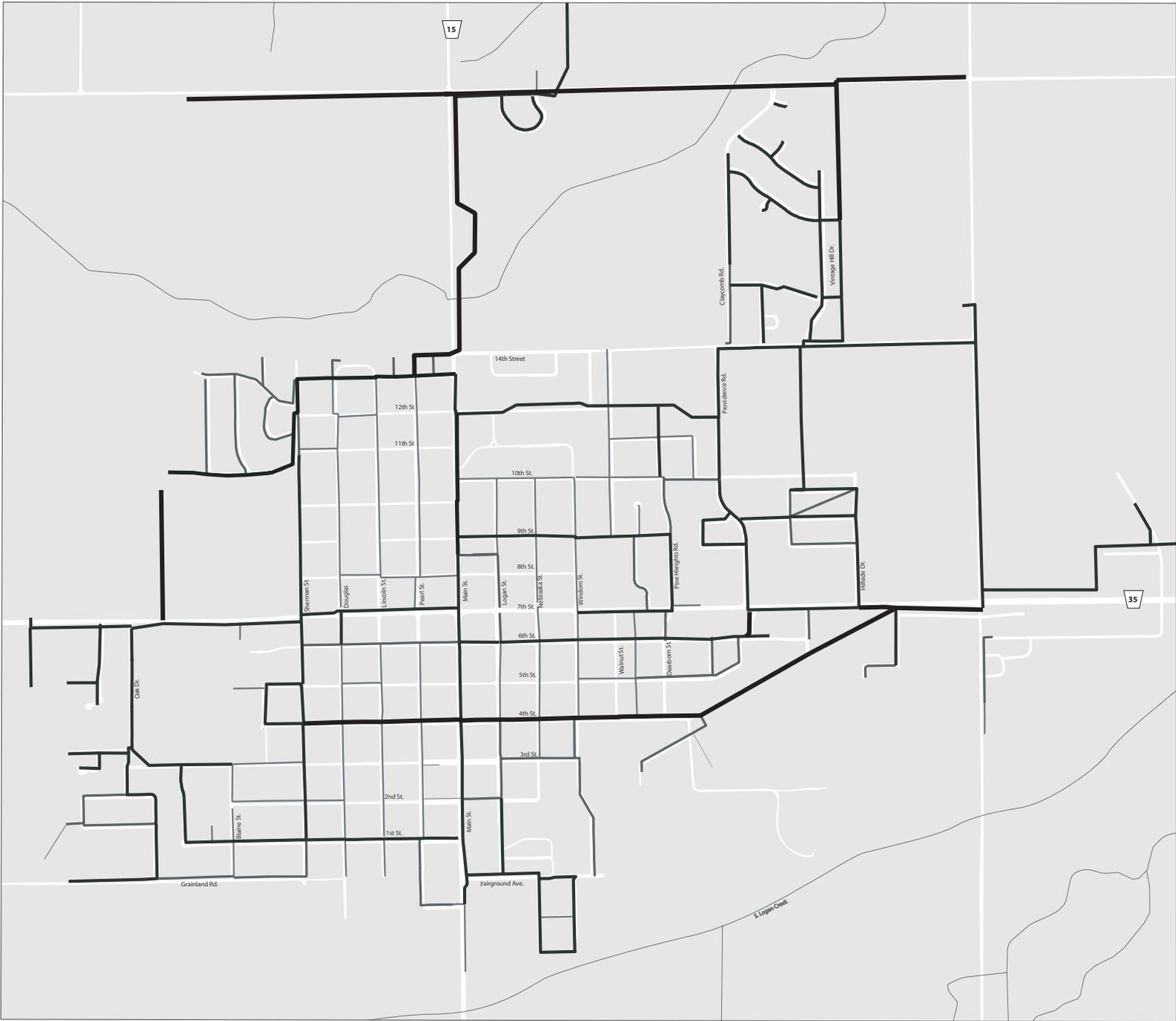
Recommendations

- Replace standpipe with a new tank that is large enough to bring the city's storage capacity to 1,100,000 gallons.
- Continue routine maintenance on the tower and standpipe.
- Implement the Water System Master Plan recommendations.

Sanitary Sewer Collection System

The city's sanitary sewer collection system is composed of 8-, 12- and 16-inch mains. Most of the system is vitrified clay pipe that was installed between 1900 and 1970 and is separated from the storm sewer system. The newest lines are all constructed of PVC.

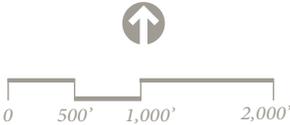
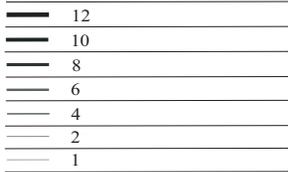




MAP 6.1

Wayne Comprehensive Plan
WATER LINES
 Wayne, Nebraska

Diameter in Inches



NOVEMBER 2006

Evaluation

Based on the 2001 Wastewater System Master Plan most of the system was in excellent condition. However, since the completion of this study, budget restrictions have limited the amount of cleaning and jetting of the system. Previously a quarter of the system was completed each year. A televising project was completed in conjunction with the Highway 35 project in 1999 and the system appeared to be in good condition. The city's 368 manholes have been inspected. Approximately three-quarters of the manholes are of older brick construction. The city has been working to reline these older manholes to improve safety and decrease the amount of infiltration into the system during heavy rainfalls.

There are some flat grade issues within the city. These include:

- An area around 9th Street and Circle Drive
- South Nebraska to South Windom, 5th Street to Dearborn
- 2nd Street from Main to Lincoln streets (lines are also undersized)
- South of 1st Street along Douglas Street (lines are also undersized)

Recommendations

- Implement Wastewater System Master Plan recommendations.
- Reestablish cleaning and jetting program.

Sanitary Sewer Lift Stations

The City of Wayne owns and operates five lift stations, with a sixth owned by Wayne State College. These stations include:

- Lift station number 1 on south Nebraska Street
- Lift station number 2 at the wastewater treatment facility
- Lift station number 3 along Grainland Road between Sherman and Douglas streets
- Lift station number 4 on north Sherman Street
- Lift station number 5 in the Walnut and 14th street area
- Lift station number 6 along Centennial Road south of Country Club Road

Evaluation

The lift stations are in good condition and have all been rebuilt in the last ten years.

Recommendations

- Continue normal maintenance program.
- Implement recommendations outlined in the Wastewater System Master Plan.

Wastewater Treatment Plant

The wastewater treatment plant began operation in 1985 with a life expectancy of 18 to 20 years. The design capacity was approximately 700,000 gallons per day. According to the 2001 Wastewater System Master Plan summer flows averaged 500,000 gallons per day; however, flows increased to 630,000 gallons per day when Wayne State College was in session. The facility includes a large 26 acre lagoon that is only used for holding sludge. The life of the lagoon was also estimated at approximately 20 years.

Evaluation

The treatment plant has met the city's needs over the past 20 years, although there has been



some odor issues related to the plant. Age of the facility will be a major issue in the coming years. The Wastewater System Master Plan identified three alternatives for the plant. These included:

1. Upgrading the existing plant as needed and utilizing the existing facility through 2020.
2. Constructing a northside lift station and operating the existing plant until 2010-2012, then constructing a new wastewater treatment plant.
3. Constructing a northside lift station as well as an interim treatment facility and subsequently building a new wastewater treatment plant at a later date.



A fourth option has also been discussed. Under this option a new plant would be constructed downstream from the existing site but still south of Highway 35. Construction of a new plant at a different location will require the city to find a location for land application of the sludge. Reconstruction of the plant at the current site would not be as costly. However, odor issues could still be a concern. A new plant, further down stream and away from prevailing winds, could help address odor issues and would open a large area of land adjacent to the city.

Recommendations

- In the next five years the city will need to either upgrade at the existing site or construct a new wastewater treatment plant. The city must closely weigh the advantages and disadvantages of each alternative.

Electrical System

The City of Wayne owns and operates both the power plant and distribution system. The city has a lease agreement until 2022 with Nebraska Public Power to provide power to the city. The power plant, located on south Main Street, is only used during peak times. The plant has eight generators; the oldest was installed in 1947. The most recent expansion of the plant was completed in 1996 and included two new generators. The city maintains the distribution system and substation located west of the power plant.

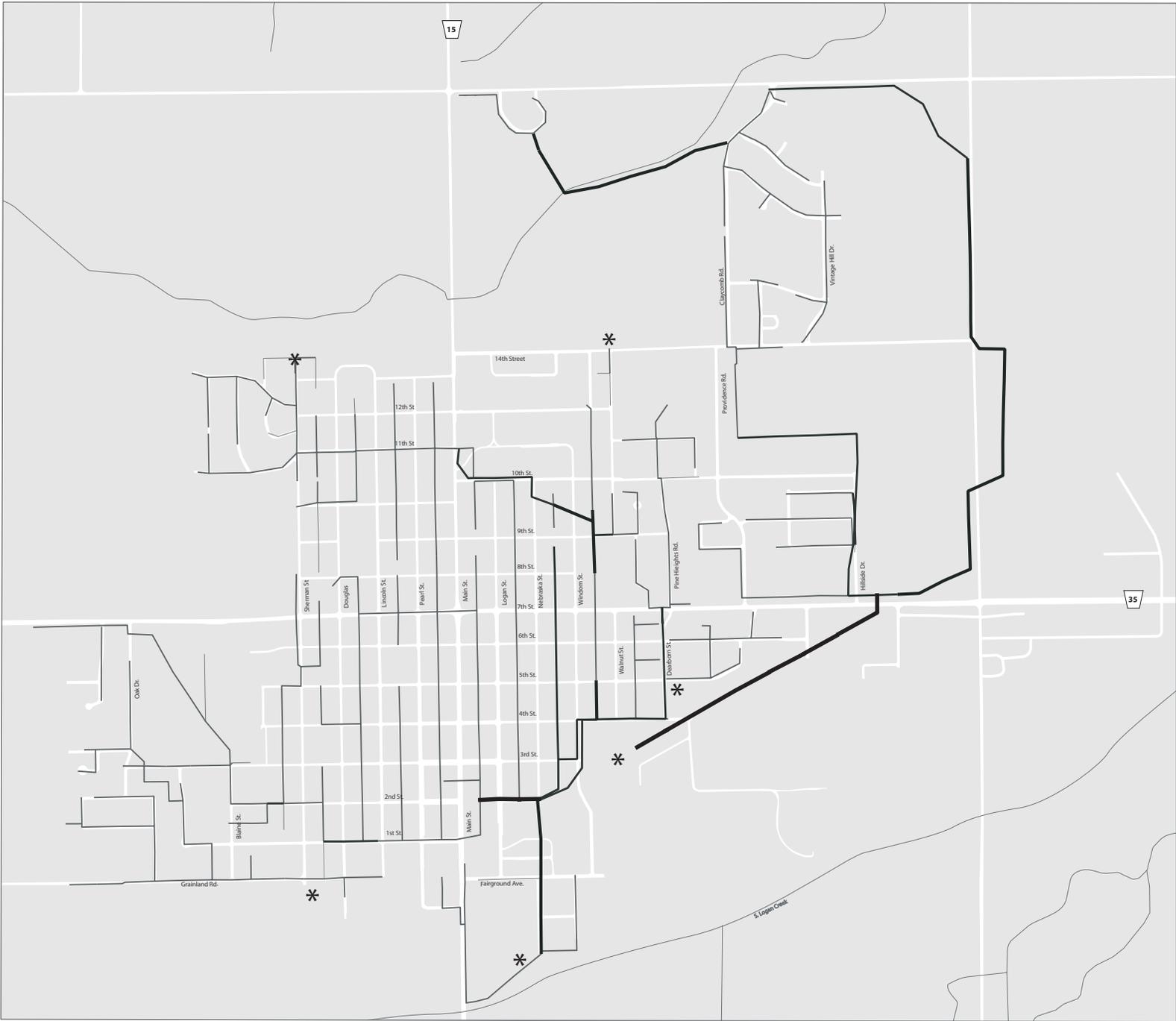
Evaluation

The city electrical system is in excellent condition. All of the generators are serviceable and should meet the city's current NPPD contract life. In 2000, a Comprehensive System Study for the Municipal Electric System was completed and recommended improvements in two phases. Improvements in Phase I included improvements to the substation and distribution system. Phase II improvements call for construction of a new substation and control building on the north end of the city to address future growth. Phase II also includes improvements to the transmission and distribution system. Wayne should also work with NPPD to construct an additional feeder line into the city to provide additional service and a back-up to the one existing line.

Recommendations

- Continue existing maintenance program.
- Construct an additional substation as needed.
- Complete implementation of the 2000 Master Plan.



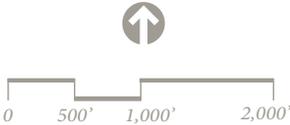


MAP 6.2

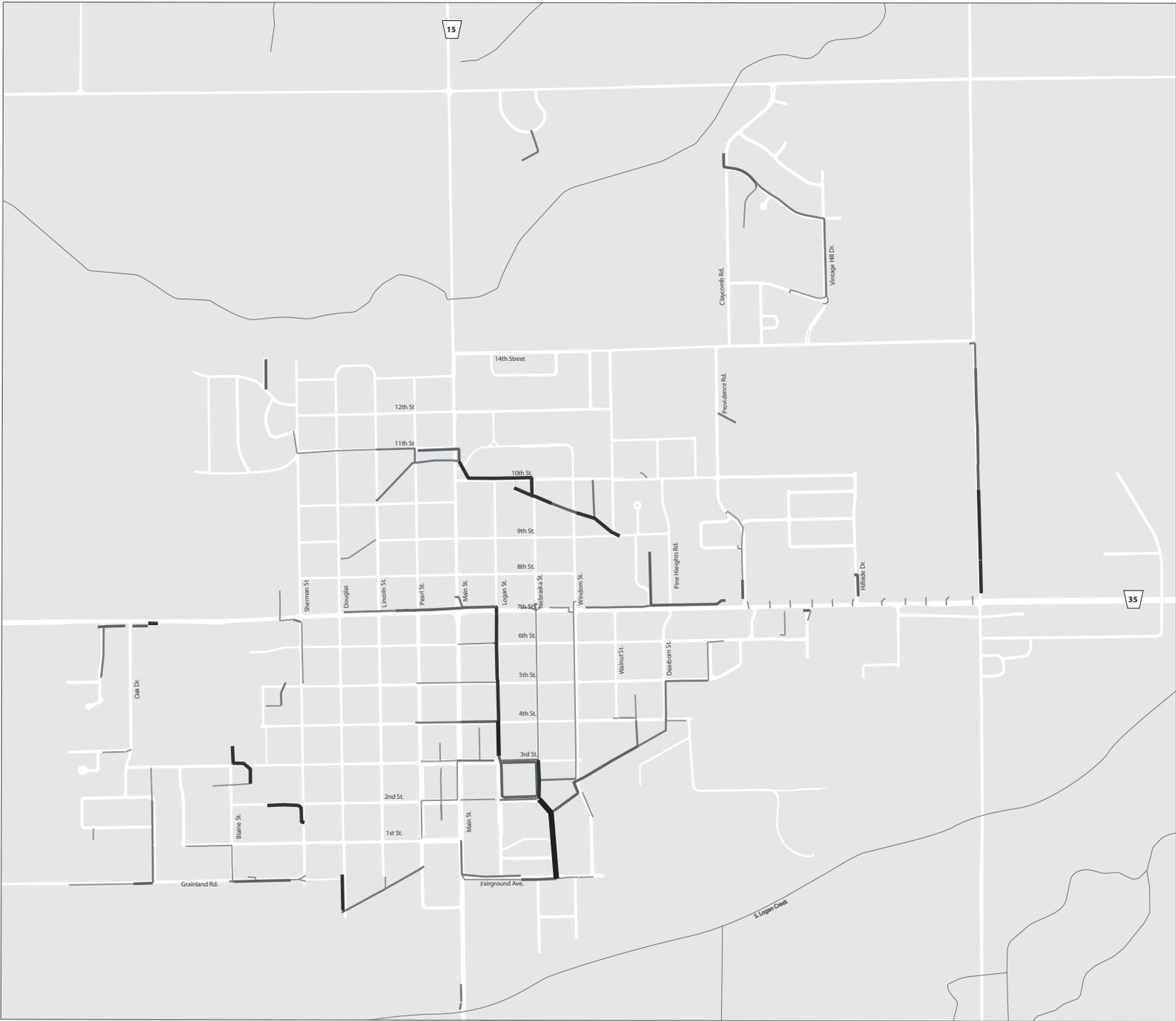
Wayne Comprehensive Plan
SANITARY LINES
 Wayne, Nebraska

Diameter in Inches

| | |
|--|--------------|
| | 15 |
| | 12 |
| | 10 |
| | 8 |
| | 6 |
| | 4 |
| | Lift Station |



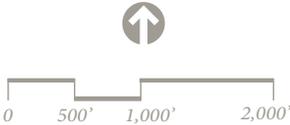
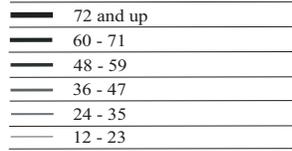
NOVEMBER 2006



MAP 6.3

Wayne Comprehensive Plan
STORM SEWERS
 Wayne, Nebraska

Diameter in Inches



NOVEMBER 2006

Stormwater System

Wayne is located on top of a ridge line between Logan and Dog Creeks. The southern portion of the city drains south into Logan Creek while the northern section of the city, excluding a small portion of the northwest quadrant, drain north to the Dog Creek. The city's stormwater is collected through a system of surface drainage and storm sewers.

Evaluation

Storm drainage in the western portions of the city has created run-off problems in areas north of 14th Street. Future development north of Highway 35 in the northwestern portion of the city could also create increased flows into the existing portion of the city. Development of this area would drain into the Community Activity Center area and south into the city's storm sewer system.

Recommendations

- Encourage use of on-site detention/retention to limit peak outflows to pre-developed levels and enhance the overall quality of the stormwater system.
- Encourage the implementation of new stormwater management strategies to limit the amount of run-off into the existing system. These include: reduction in impervious coverage, protection of open space and natural greenways, vegetated swales, and naturalized detention systems.

Infrastructure Priorities

- Construct a new wastewater treatment plant.
- Replace water meters.
- Replace existing standpipe to increase storage capacity.



Chapter Six

