

shall be any time that a retail business is open for the sale of goods or services, or a retail, office, or industrial facility actually has employees working within, or upon, said premises, other than guards or watchmen. Lights shall be not more than fifteen (15) feet in height in residential zoning districts, and not more than thirty (30) feet in height in other zoning districts.

- b. Where lighted areas are required, lighting shall provide the following average foot-candles measured at ground level:

	<b>Minimum</b>	<b>Maximum</b>
Residential Zoning Districts	1.5	2.0
Commercial Zoning Districts	2.0	5.0
Industrial Zoning Districts	2.5	5.0

4. Lighting within any property that unnecessarily illuminates any other property, and substantially interferes with the use or enjoyment of such other property, is prohibited. All lighting on private property shall be designed using cut-off lenses as to direct light away from adjoining premises and streets. Flood and spotlights shall be shielded when necessary to prevent glare on adjoining properties or public rights-of-way, and to avoid visual interference with traffic control devices. Detailed lighting design plans and calculations shall be provided when deemed necessary by the Village Engineer and/or Director of Public Works.

#### **9.03.06 Sidewalks**

1. Sidewalks shall be provided as follows:
  - a. Sidewalks shall be required along both sides of all public streets and constructed in accordance with Village of Winnebago Standards.
  - b. Sidewalks shall be required along major roadways such as state or county routes which are within or abutting the proposed development.
  - c. Pedestrian paths may be substituted for sidewalk only upon the written approval by the Village Board, constructed in accordance with Village of Winnebago Standards, and with review and acceptance of the location and construction methods by the Village Engineer or Director of Public Works.
  - d. Sidewalks or pedestrian paths may be required by the Village through the center of blocks more than eight hundred (800) feet long, where deemed essential to provide circulation of access to schools, playgrounds, shopping centers, transportation, and other community facilities. Said sidewalk or pedestrian path shall be located within a right-of-way or easement. The location, width, and materials of construction shall be approved by the Village Engineer or Director of Public Works.
2. Sidewalk construction and specifications shall be as follows:
  - a. Sidewalks shall be located within a dedicated right-of-way or access easement. The outside edge of sidewalk shall be located 1 foot (1') from the right-of-way or property line. A median strip of grass or landscaped area, at least three feet (3') wide shall separate all sidewalks from adjacent curbs unless approved in writing by the Village Engineer or Director of Public Works.

- b. Sidewalks shall be constructed of Portland Cement Concrete (PCC) at least five (5) feet in width and a minimum thickness of four (4) inches thick. Sidewalks shall extend continuously through driveways, maintain the appropriate cross-slope to meet ADA requirements, and the thickness of sidewalk shall increase to six (6) inches at driveway entrances.
- c. Sidewalks shall be constructed in conformance to Section 424 of the Illinois Department of Transportation (IDOT) Standard Specifications. Concrete shall be Class SI, 6 bag mix. Test cylinders shall be taken and certified compression test reports submitted to the Village Engineer or Director of Public Works. Finished surfaces of a newly constructed sidewalk shall be coated with anti-spall and curing compound as approved in writing by the Village Engineer or Director of Public Works.
- d. Aggregate base shall be provided beneath the sidewalks to a minimum four (4) inch thick compacted aggregate base with a CA-6 gradation.
- e. Where continuous sidewalks are not constructed at the same time, three (3) number 6 smooth dowel rods with expansion caps shall be installed between the previously constructed sidewalk and the sidewalk to be constructed.
- f. Where utility service lines cross a sidewalk, three (3) #4 steel reinforcing rods, evenly spaced, 8 feet in length, shall be imbedded perpendicular to each trench in the midpoint of the concrete to prevent settlement over the trenches.
- g. Sidewalks shall be constructed of longitudinal grades and cross-slopes in accordance with the requirements of the Americans with Disabilities Act. The sidewalk shall be placed at a longitudinal grade relative to the street and as approved in writing by the Village Engineer or Director of Public Works. Unless otherwise approved in writing by the Village, sidewalks shall be laid with a maximum 2 percent cross-slope, directed toward the street.
- h. Accessibility ramps shall be installed at all intersections between the street pavement and the sidewalk in accordance with Federal guidelines and requirements of accessible design. The ramp shall provide a consistent slope from the intersection of perpendicular sidewalks to the flowline of the curb and be designed to comply with the Americans with Disabilities Act. The ramp shall be constructed in accordance with the Illinois Department of Transportation and the Village of Winnebago Standards. In lieu of cast-in-place colored concrete domes to meet ADA texture requirements, a pre-fabricated, red-colored insert meeting the Village's approval may be installed wherever accessibility ramps are required.

#### **9.04 Water Supply**

All subdivisions, properties, and lots located within the limits of the Village of Winnebago, shall be provided with a connection to the Village water system. Fire hydrants shall also be installed in all subdivisions within the corporate limits, and any area receiving Village water service. The water supply system shall be designed in accordance with the terms of the most current Village Comprehensive Plan for Water and constructed under the direction of the Village of Winnebago. It shall be designed and constructed in accordance with the "Standard Specifications for Water and Sewer Main Construction in Illinois" (latest