



Electrically Charged Fence Standards

Before you dig, call 1-800-332-2344 for utility locates!

- 9.360 **Purpose.** Fences can create a sense of privacy, protect children and pets, provide separation from busy streets, and enhance the appearance of property. The negative effects of fences can include the creation of street walls that inhibit police and community surveillance, decrease the sense of community, hinder emergency access, lessen solar access, hinder the safe movement of pedestrians and vehicles, and create an unattractive appearance. These standards are intended to promote the positive aspects of fences and to limit the negative ones.
- 9.370 **Materials.** Fences and walls shall not be constructed of or contain any material that will do bodily harm, such as electric or barbed wire, broken glass, spikes, or any other hazardous or dangerous materials, except as follows:
- (1) Barbed wire is permitted on top of a 6-foot-tall fence in commercial, industrial, and mixed-use zones except MUC and MUR. The total height of the fence and barbed wire is limited to 8 feet. Barbed-wire-only fences are prohibited except as allowed in subsection (2).
 - (2) **Correctional Institutions and High Security Areas.** Concertina wire or barbed-wire only fences may be used around correctional institutions and high security areas provided that the fences are posted at 15-foot intervals with clearly visible warnings of the hazard.
 - (3) **Large Animal Containment.** Where cattle, sheep, horses or other livestock are permitted or existed when the property was annexed to the City, barbed wire is permitted within 6 inches from the top of a fence at least 4 feet tall that is used to contain or restrict large animals. Fences for this purpose must meet the standards in AMC 6.10.
 - (4) **Electrically charged fences** are permitted in the LI and HI zones when the following standards can be met:
 - (a) The fence is located outside the front setback and required landscaping, buffering or screening; and
 - (b) The electrically charged fence shall not exceed 10 feet in height; and
 - (c) The electrically charged fence shall be a pulsed charge system, and not a continuous charge system.
 - (d) No electric fence shall be installed or used unless it is completely surrounded by a perimeter non-electrical fence or wall that is not less than 6 feet tall; and
 - (e) Warning signs stating, "Warning, Electric Fence" shall be posted at intervals not less than 50 feet; and
 - (f) When property lines are shared with a residential zoning district, the following additional standard shall be met:
 - i. A solid fence or wall between 6 and 8 feet tall shall be placed at the shared property line(s); and
 - ii. Warning signs shall be posted at intervals of not less than 25 feet.
 - (g) The fence shall be tested and approved by a State of Oregon approved testing laboratory; and
 - (h) The fence shall be installed and used accordance with the Oregon Electrical Specialty Code, the listing, and the manufacturer's installation instructions; and
 - (i) Electrical permits and inspections shall be required for the installation. Work must be performed by a licensed Oregon electrician.
 - (j) In addition to the Fire Department access requirements in the Oregon Fire Code, the following additional standards are required for properties protected by an electric fence:

- i. Each vehicle gate shall open automatically using a sensing device approved by the fire department. This automatic operation shall be supplemented by the installation of a Knox electric switch (with dust cover) to be installed in an approved location.
- ii. The gate opening equipment shall be equipped with a battery back-up in the advent of power failure (both ingress & egress sides).
- iii. Power to the electrified fence, excluding gate opening controls, shall be deactivated upon activation of automatic or manual fire department access for ingress or egress through the gate.
- iv. The vehicle gate shall provide a means for the fire department to egress from the site.
- v. A pedestrian type gate shall be installed immediately adjacent to all vehicle access gates.

[Ord. 5751, 3/9/11]

9.380 Standards in Commercial, Industrial, HD, CB, ES, LE, MS, PB, WF, and TD zones: Fences and walls shall meet the following standards. If a fence or wall is used to meet required screening, it shall meet the provisions in Section 9.385. (NOTE: This handout does not include standards for all zones.)

- (1) Fences in front setbacks. Fences shall be no taller than 6 feet in required front setbacks. 6-foot fences containing barbed wire on top or fences taller than 6 feet are not permitted in the front setback.
- (2) In no instance or zone shall a fence exceed 8 feet except when permitted in 9.370,
- (3) Fences over 6 feet tall require a building permit prior to construction. Fences over 6 feet tall shall meet building setbacks, except when permitted along property lines in Sections 9.370(4)(d).
- (4) In no instance shall a fence extend beyond the property line.
- (5) All fences shall meet the Clear Vision Area standards in Section 12.180.
- (6) Measuring Fence Height. Fence height shall be measured from the average height of the grade adjacent to where the fence is to be located. If a fence is to be constructed on top of a berm, the height shall be measured from the bottom of the berm. Fence height includes the height of the fence, wall, or picket and does not include the posts, or arbors and trellises at entrance gates.
- (7) Maintenance. Every fence, whether required or not, will be maintained. No fence is allowed to become or remain in a condition of disrepair including, but not limited to noticeable leaning, missing slats, broken supports, and overgrowth of weeds or vines.

9.385 Screening. Whenever a sight-obscuring fence, wall or hedge is required under the provisions of this Code, it must meet the following provisions and the vision clearance standards in Section 12.180:

- (1) Opacity. In order to be "sight-obscuring," fences and walls must be at least 75 percent opaque when viewed from any angle at a point 25 feet away from the fence or wall. Hedges must be an evergreen species that will meet the standards year-round within 2 years of planting.
- (2) Height. Fences and walls will be a minimum of 6 feet tall. Hedges will be of a species capable of attaining a height of at least 6 feet within 2 years of planting, given their age, height and health when planted.
- (3) Maintenance. Fences and walls will be maintained in safe condition and opacity is maintained as required in subsection (a) of this section. Wooden materials will be protected from rot, decay, and insect infestation. Plants forming hedges will be replaced within six months after dying or becoming diseased to the point that the opacity required in subsection (a) of this section is not met.

9.390 Non-conforming Fences. Existing fences that were constructed legally and/or that were in place at the time the property was annexed to the City that do not meet the current fencing standards shall be considered a legal non-conforming use, provided that the barbed wire or upturned barbed selvage does not extend over a street or alley and where it does slant toward the public right-of-way, it is located not less than one foot from said right-of-way.



CLEAR VISION AREA STANDARDS

12.180 Clear vision areas must be maintained at each access to a public street and on each corner of property at the intersection of two streets or a street and a railroad. No fence, wall, hedge, sign, or other planting or structure that would impede visibility between the heights of 2-8 feet shall be established in the clear vision area. Visibility is not considered impeded by a fence when materials are 35 percent or less of the surface area of that portion of the fence above 2 feet. Fence posts spaced at 8 feet or more apart are not counted as part of the fence surface area. Height measurements shall be made from the top of the curb or, where no curb exists, from the established street center line grade.

- (1) The clear vision area provisions do not apply to the following:
 - (a) A public utility pole,
 - (b) A tree trimmed (to the trunk) to a line at least eight feet above the level of the intersection,
 - (c) Another plant species of open growth habit that is not planted in the form of a hedge and which is so planted and trimmed as to leave at all seasons a clear and unobstructed cross-view,
 - (d) A supporting member or appurtenance to a permanent building lawfully existing on the date this standard becomes effective,
 - (e) An official warning sign or signal,
 - (f) The post section of a pole sign when there are no more than two posts and any post is less than 8 inches in diameter, and
 - (g) Existing or new buildings that meet the minimum setbacks.

- (2) A clear vision area consists of a triangular area, two sides of which are lot lines or a driveway and a lot line for a distance specified in this section, or, where the lot lines have rounded corners, the lot lines (not face of curbs) extended in a straight line to a point of intersection and so measured, and the third side of which is a line across the corner of the lot joining the non-intersecting ends of the other two sides (See illustration below). The following measurements shall establish the clear vision areas:

<u>Type of Intersection</u>	<u>Measurement Along Each Lot Line or Drive Edge*</u>
Controlled Intersection (stop sign or signal)	20 feet
Uncontrolled Intersection (60' right-of-way)	30 feet
Uncontrolled Intersection (less than 60' right-of-way)	30 feet
Commercial and Industrial District driveways	20 feet
Residential District driveways	15 feet
Alley (less than 25 feet)	20 feet

* When there is an intersection of two or more streets of different right-of-way width, the distance to be measured along the lot lines shall be the distance specified for each type street.

